

MICROBIX BIOSYSTEMS INC.

as the Corporation

and

AST TRUST COMPANY (CANADA)

as the Warrant Agent

WARRANT INDENTURE

Providing for the Issue of Warrants

Dated as of May 19, 2021

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WARRANT INDENTURE

THIS WARRANT INDENTURE is dated as of May 19, 2021.

BETWEEN:

MICROBIX BIOSYSTEMS INC., a corporation incorporated under the laws of the Province of Ontario

(the “**Corporation**”),

- and -

AST TRUST COMPANY (CANADA), a trust company existing under the laws of Canada and authorized to carry on business in all provinces of Canada

(the “**Warrant Agent**”)

WHEREAS pursuant to the terms of the Underwriting Agreement (as defined herein), the Corporation has agreed to sell by way of a public offering 8,333,334 units (the “**Units**”), plus an over-allotment option (the “**Over-Allotment Option**”) to purchase an additional 15% of the Units sold, at a price of \$0.60 per Unit, each such Unit consisting of one Common Share (as defined herein) and one-half of one Warrant (as defined herein) for total gross proceeds to the Corporation of approximately \$5,000,000, plus proceeds from the exercise of the Over-Allotment Option (the “**Offering**”);

WHEREAS pursuant to the Underwriting Agreement, the Corporation will issue up to 4,791,667 Warrants, comprised of 4,166,667 Warrants that comprise the Units issued under the Offering and up to 625,000 Warrants issuable pursuant to the exercise of the Over-Allotment Option under this Indenture;

AND WHEREAS pursuant to this Indenture, each Warrant shall, subject to adjustment, entitle the holder thereof to acquire one (1) Common Share upon payment of the Exercise Price upon the terms and conditions herein set forth;

AND WHEREAS all acts and deeds necessary have been done and performed to make the Warrants, when created and issued as provided in this Indenture, legal, valid and binding upon the Corporation with the benefits and subject to the terms of this Indenture;

AND WHEREAS the foregoing recitals are made as representations and statements of fact by the Corporation and not by the Warrant Agent;

NOW THEREFORE, in consideration of the premises and mutual covenants hereinafter contained and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Corporation hereby appoints the Warrant Agent as warrant agent to hold the rights, interests and benefits contained herein for and on behalf of those persons who from time to time become the holders of Warrants issued pursuant to this Indenture and the parties hereto agree as follows:

ARTICLE 1 INTERPRETATION

Section 1.1 Definitions.

In this Indenture, including the recitals and schedules hereto, and in all indentures supplemental hereto:

“**Adjustment Period**” means the period from the Effective Date up to and including the Expiry Time;

“**Applicable Legislation**” means any statute of Canada or a province thereof, and the regulations under any such named or other statute, relating to warrant indentures or to the rights, duties and obligations of warrant agents under warrant indentures, to the extent that such provisions are at the time in force and applicable to this Indenture;

“**Auditors**” means Ernst & Young LLP or such other firm of chartered accountants duly appointed as auditors of the Corporation, from time to time;

“**Authenticated**” means (a) with respect to the issuance of a Warrant Certificate, one which has been duly signed by the Corporation and authenticated by signature of an authorized officer of the Warrant Agent, (b) with respect to the issuance of an Uncertificated Warrant, one in respect of which the Warrant Agent has completed all Internal Procedures such that the particulars of such Uncertificated Warrant as required by Section 2.7 are entered in the register of holders of Warrants, and “*Authenticate*”, “*Authenticating*” and “*Authentication*” have the appropriate correlative meanings;

“**Book Entry Only Participants**” or “**Participants**” means institutions that participate directly or indirectly in the Depository’s book entry registration system for the Warrants;

“**Book Entry Only Warrants**” means Warrants that are to be held only by or on behalf of the Depository;

“**Business Day**” means any day other than Saturday, Sunday or a statutory or civic holiday, or any other day on which banks are not open for business in the City of Toronto, Province of Ontario, and shall be a day on which the TSX is open for trading;

“**CDS Global Warrants**” means Warrants representing all or a portion of the aggregate number of Warrants issued in the name of the Depository represented by an Uncertificated Warrant, or if requested by the Depository or the Corporation, by a Warrant Certificate;

“**Certificated Warrant**” means a Warrant evidenced by a writing or writings substantially in the form of Schedule “A”, attached hereto;

“**Closing Date**” means May 19, 2021;

“**Common Shares**” means, subject to Article 4, fully paid and non-assessable common shares of the Corporation as presently constituted;

“**Counsel**” means a barrister and/or solicitor or a firm of barristers and/or solicitors retained by the Warrant Agent or retained by the Corporation, which may or may not be counsel for the Corporation;

“**Current Market Price**” of the Common Shares at any date means the weighted average of the trading price per Common Share for such Common Shares for each day there was a closing price for the twenty (20) consecutive Trading Days ending five (5) days prior to such date on the TSX or if on such date the Common Shares are not listed on the TSX, on such stock exchange upon which such Common Shares are listed and as selected by the directors of the Corporation, or, if such Common Shares are not listed on any stock exchange then on such over-the-counter market as may be selected for such purpose by the directors of the Corporation;

“**Depository**” means CDS Clearing and Depository Services Inc. or such other person as is designated in writing by the Corporation to act as depository in respect of the Warrants;

“**Dividends**” means any dividends paid by the Corporation;

“**Effective Date**” means the date of this Indenture;

“**Exchange Rate**” means the number of Common Shares subject to the right of purchase under each Warrant;

“**Exercise Date**” means, in relation to a Warrant, the Business Day on which such Warrant is validly exercised or deemed to be validly exercised in accordance with Article 3 hereof;

“**Exercise Notice**” has the meaning set forth in Section 3.2(1);

“**Exercise Price**” at any time means the price at which a whole Common Share may be purchased by the exercise of a whole Warrant, which is \$0.80 per Common Share, payable in immediately available Canadian funds, subject to adjustment in accordance with the provisions of Section 4.1;

“**Expiry Date**” means May 19, 2023;

“**Expiry Time**” means 5:00 p.m. (Eastern time) on the Expiry Date;

“**Extraordinary Resolution**” has the meaning set forth in Section 7.11(1);

“**Internal Procedures**” means in respect of the making of any one or more entries to, changes in or deletions of any one or more entries in the register at any time (including without limitation, original issuance or registration of transfer of ownership) the minimum number of the Warrant Agent’s internal procedures customary at such time for the entry, change or deletion made to be complete under the operating procedures followed at the time by the Warrant Agent, it being understood that neither preparation nor issuance shall constitute part of such procedures for any purpose of this definition;

“**Issue Date**” means the date on which the Warrants are actually originally issued by the Corporation;

“**Offering**” has the meaning attributed to it in the recitals hereto;

“**person**” means an individual, body corporate, partnership, trust, warrant agent, executor, administrator, legal representative or any unincorporated organization;

“**register**” means the one set of records and accounts maintained by the Warrant Agent pursuant to Section 2.9:

“**Registered Warrantholders**” means the persons who are registered owners of Warrants as such names appear on the register, and for greater certainty, shall include the Depository as well as the holders of Uncertificated Warrants appearing on the register of the Warrant Agent;

“**Regulation D**” means Regulation D as promulgated by the SEC under the U.S. Securities Act;

“**Regulation S**” means Regulation S as promulgated by the SEC under the U.S. Securities Act;

“**SEC**” means the United States Securities and Exchange Commission;

“**Shareholders**” means holders of Common Shares;

“**Tax Act**” means the *Income Tax Act* (Canada) and the regulations thereunder;

“**this Warrant Indenture**”, “**this Indenture**”, “**this Agreement**”, “**hereto**” “**herein**”, “**hereby**”, “**hereof**” and similar expressions mean and refer to this Indenture and any indenture, deed or instrument supplemental hereto; and the expressions “**Article**”, “**Section**”, “**subsection**” and “**paragraph**” followed by a number, letter or both mean and refer to the specified article, section, subsection or paragraph of this Indenture;

“**Trading Day**” means, with respect to the TSX, a day on which such exchange is open for the transaction of business and with respect to another exchange or an over-the-counter market means a day on which such exchange or market is open for the transaction of business;

“**TSX**” means the Toronto Stock Exchange or any successor thereto;

“**Uncertificated Warrant**” means any Warrant which is not a Certificated Warrant;

“**Underwriters**” means iA Private Wealth Inc. and Bloom Burton Securities Inc.;

“**Underwriting Agreement**” means the underwriting agreement dated May 4, 2021 between the Corporation and the Underwriters entered into in connection with the Offering;

“**United States**” means the United States of America, its territories and possessions, any state of the United States, and the District of Columbia;

“**Units**” has the meaning attributed to it in the recitals hereto;

“**U.S. Exchange Act**” means the United States Securities Exchange Act of 1934, as amended;

“**U.S. Person**” has the meaning set forth in Rule 902(k) of Regulation S;

“**U.S. Purchaser**” means an original purchaser of units of which the Warrants comprise a part who was, at the time of purchase, (a) a U.S. Person, (b) any person purchasing such units on behalf of, or for the account or benefit of, any U.S. Person or any person in the United States, (c) any person who receives or received an offer to acquire such units while in the United States, and (d) any person who was in the United States at the time such person’s buy order was made or the subscription agreement pursuant to which such units were acquired was executed or delivered;

“**U.S. Securities Act**” means the *United States Securities Act of 1933*, as amended;

“U.S. Warrantholder” means any Warrantholder that (a) is a U.S. Person, (b) is in the United States, (c) any person who acquired Warrants on behalf of, or for the account or benefit of, any U.S. Person or any person in the United States, (d) received an offer to acquire Warrants while in the United States, or (e) was in the United States at the time such Warrantholder’s buy order was made or such Warrantholder executed or delivered its purchase order for the Warrants;

“U.S. Warrantholder Letter” means the U.S. Warrantholder letter in substantially the form attached hereto as Schedule “D”;

“Warrants” means the Common Share purchase warrants created by and authorized by and issuable under this Indenture, to be issued and countersigned hereunder as a Certificated Warrant and /or Uncertificated Warrant held through the book entry registration system on a no certificate issued basis, entitling the holder or holders thereof to purchase up to 4,791,667 Common Shares (subject to adjustment as herein provided) at the Exercise Price prior to the Expiry Time and, where the context so requires, also means the Warrants issued and Authenticated hereunder, whether by way of Warrant Certificate or Uncertificated Warrant;

“Warrant Agency” means the principal office of the Warrant Agent in the City of Toronto, Ontario or such other place as may be designated in accordance with Section 3.5;

“Warrant Agent” means AST Trust Company (Canada), in its capacity as warrant agent of the Warrants, or its successors from time to time;

“Warrant Certificate” means a certificate, substantially in the form set forth in Schedule “A” hereto, to evidence those Warrants that will be evidenced by a certificate;

“Warrantholders”, or **“holders”** without reference to Warrants, means the warrantholders as and in respect of Warrants registered in the name of the Depository and includes owners of Warrants who beneficially hold securities entitlements in respect of the Warrants through a Book Entry Only Participant or means, at a particular time, the persons entered in the register hereinafter mentioned as holders of Warrants outstanding at such time;

“Warrantholders’ Request” means an instrument signed in one or more counterparts by Registered Warrantholders entitled to acquire in the aggregate not less than 50% of the aggregate number of Common Shares which could be acquired pursuant to all Warrants then unexercised and outstanding, requesting the Warrant Agent to take some action or proceeding specified therein; and

“written order of the Corporation”, **“written request of the Corporation”**, **“written consent of the Corporation”** and **“certificate of the Corporation”** mean, respectively, a written order, request, consent and certificate signed in the name of the Corporation by any two duly authorized signatories of the Corporation and may consist of one or more instruments so executed.

Section 1.2 Gender and Number.

Words importing the singular number or masculine gender shall include the plural number or the feminine or neuter genders, and vice versa.

Section 1.3 Headings, Etc.

The division of this Indenture into Articles and Sections, the provision of a Table of Contents and the insertion of headings are for convenience of reference only and shall not affect the construction or interpretation of this Indenture or of the Warrants.

Section 1.4 Day not a Business Day.

If any day on or before which any action or notice is required to be taken or given hereunder is not a Business Day, then such action or notice shall be required to be taken or given on or before the requisite time on the next succeeding day that is a Business Day.

Section 1.5 Time of the Essence.

Time shall be of the essence of this Indenture.

Section 1.6 Monetary References.

Whenever any amounts of money are referred to herein, such amounts shall be deemed to be in lawful money of Canada unless otherwise expressed.

Section 1.7 Applicable Law.

This Indenture, the Warrants and the Warrant Certificates (including all documents relating thereto, which by common accord have been and will be drafted in English) shall be construed in accordance with the laws of the Province of Ontario and the federal laws applicable therein and shall be treated in all respects as Ontario contracts. Each of the parties hereto, which shall include the Warrantholders, irrevocably attorns to the exclusive jurisdiction of the courts of the Province of Ontario with respect to all matters arising out of this Indenture and the transactions contemplated herein.

ARTICLE 2 ISSUE OF WARRANTS

Section 2.1 Creation and Issue of Warrants

A maximum of 4,791,667 Warrants (subject to adjustment as herein provided) are hereby created and authorized to be issued in accordance with the terms and conditions hereof. By written order of the Corporation, the Warrant Agent shall deliver Warrant Certificates to Registered Warrantholders and record the name of the Registered Warrantholders on the Warrant register. Registration of interests in Warrants held by the Depository may be evidenced by a position appearing on the register for Warrants of the Warrant Agent for an amount representing the aggregate number of such Warrants outstanding from time to time.

Section 2.2 Terms of Warrants.

- (1) Subject to the applicable conditions for exercise set out in Article 3 having been satisfied and subject to adjustment in accordance with Section 4.1 each Warrant shall entitle each Warrantholder thereof, upon exercise at any time after the Issue Date and prior to the Expiry Time, to acquire one (1) Common Share upon payment of the Exercise Price.
- (2) No fractional Warrants shall be issued or otherwise provided for hereunder and Warrants may only be exercised in a sufficient number to acquire whole numbers of Common Shares. Any fractional Common Shares shall be rounded down to the nearest whole number and no consideration shall be paid for any such fractional Common Share which is not issued.
- (3) Each Warrant shall entitle the holder thereof to such other rights and privileges as are set forth in this Indenture.
- (4) The number of Common Shares which may be purchased pursuant to the Warrants and the Exercise Price therefor shall be adjusted upon the events and in the manner specified in Section 4.1.
- (5) Neither the Corporation nor the Warrant Agent shall have any obligation to deliver Common Shares upon the exercise of any Warrant if the person to whom such shares are to be delivered is a resident of a country or political subdivision thereof in which the Common Shares may not lawfully be issued pursuant to applicable securities legislation. The Corporation or the Warrant Agent may require any person to provide proof of an applicable exemption from such securities legislation to the Corporation and Warrant Agent before Common Shares are delivered pursuant to the exercise of any Warrant.

Section 2.3 Warrantholder not a Shareholder.

Except as may be specifically provided herein, nothing in this Indenture or in the holding of a Warrant Certificate, entitlement to a Warrant or otherwise, shall, in itself, confer or be construed as conferring upon a Warrantholder any right or interest whatsoever as a Shareholder, including, but not limited to, the right to vote at, to receive notice of, or to attend, meetings of Shareholders or any other proceedings of the Corporation, or the right to Dividends and other allocations.

Section 2.4 Warrants to Rank Pari Passu.

All Warrants shall rank equally and without preference over each other, whatever may be the actual date of issue thereof.

Section 2.5 Form of Warrants, Certificated Warrants.

- (1) The Warrants may be issued in both certificated and uncertificated form. Each Warrant originally issued to a U.S. Purchaser will be evidenced in certificated form only and bear the applicable legends as set forth in Schedule "A" hereto. All Warrants issued in certificated form shall be evidenced by a Warrant Certificate (including all replacements issued in accordance with this Indenture), substantially in the form set out in Schedule "A" hereto, which shall be dated as of the Issue Date, shall bear such distinguishing letters and numbers as the Corporation may, with the approval of the Warrant Agent, prescribe, and shall be issuable in any denomination excluding fractions. All Warrants issued to the Depository may be in either a certificated or uncertificated form, such uncertificated form being evidenced by a book position on the register of Warrantholders to be maintained by the Warrant Agent in accordance with Section 2.6.

- (2) Each Warrantholder by purchasing such Warrant acknowledges and agrees that the terms and conditions set forth in the form of the Warrant Certificate set out in Schedule “A” hereto shall apply to all Warrants and Warrantholders regardless of whether such Warrants are issued in certificated or uncertificated form or whether such Warrantholders are Registered Warrantholders or owners of Warrants who beneficially hold security entitlements in respect of the Warrants through a Depository.

Section 2.6 Book Entry Only Warrants.

- (1) Reregistration of beneficial interests in and transfers of Warrants held by the Depository shall be made only through the book entry registration system and no Warrant Certificates shall be issued in respect of such Warrants except where physical certificates evidencing ownership in such securities are required or as set out herein or as may be requested by the Depository, as determined by the Corporation, from time to time. Except as provided in this Section 2.6, owners of beneficial interests in any CDS Global Warrants shall not be entitled to have Warrants registered in their names and shall not receive or be entitled to receive Warrants in certificated form or to have their names appear in the register referred to in Section 2.9 herein. Notwithstanding any terms set out herein, Warrants having any legend set forth in Section 2.8 herein and held in the name of the Depository may only be held in the form of Uncertificated Warrants with the prior consent of the Warrant Agent and in accordance with the internal procedures of the Warrant Agent.
- (2) Notwithstanding any other provision in this Indenture, no CDS Global Warrants may be exchanged in whole or in part for Warrants registered, and no transfer of any CDS Global Warrants in whole or in part may be registered, in the name of any person other than the Depository for such CDS Global Warrants or a nominee thereof unless:
- (a) the Depository notifies the Corporation that it is unwilling or unable to continue to act as depository in connection with the Book Entry Only Warrants and the Corporation is unable to locate a qualified successor;
 - (b) the Corporation determines that the Depository is no longer willing, able or qualified to discharge properly its responsibilities as holder of the CDS Global Warrants and the Corporation is unable to locate a qualified successor;
 - (c) the Depository ceases to be a clearing agency or otherwise ceases to be eligible to be a depository and the Corporation is unable to locate a qualified successor;
 - (d) the Corporation determines that the Warrants shall no longer be held as Book Entry Only Warrants through the Depository;
 - (e) such right is required by Applicable Law, as determined by the Corporation and the Corporation’s Counsel;
 - (f) the Warrant is to be Authenticated to or for the account or benefit of a U.S. Warrantholder; or
 - (g) such registration is effected in accordance with the internal procedures of the Depository and the Warrant Agent,

following which, Warrants for those holders requesting the same shall be registered and issued to the beneficial owners of such Warrants or their nominees as directed by the holder. The Corporation shall provide an Officer's Certificate giving notice to the Warrant Agent of the occurrence of any event outlined in this Section 2.6 (2)(a)–(g).

- (3) Subject to the provisions of this Section 2.6, any exchange of CDS Global Warrants for Warrants which are not CDS Global Warrants may be made in whole or in part in accordance with the provisions of Section 2.11, *mutatis mutandis*. All such Warrants issued in exchange for a CDS Global Warrant or any portion thereof shall be registered in such names as the Depository for such CDS Global Warrants shall direct and shall be entitled to the same benefits and subject to the same terms and conditions (except insofar as they relate specifically to CDS Global Warrants) as the CDS Global Warrants or portion thereof surrendered upon such exchange.
- (4) Every Warrant that is Authenticated upon registration or transfer of a CDS Global Warrant, or in exchange for or in lieu of a CDS Global Warrant or any portion thereof, whether pursuant to this Section 2.6, or otherwise, shall be Authenticated in the form of, and shall be, a CDS Global Warrant, unless such Warrant is registered in the name of a person other than the Depository for such CDS Global Warrant or a nominee thereof.
- (5) Notwithstanding anything to the contrary in this Indenture, subject to Applicable Legislation, the CDS Global Warrant will be issued as an Uncertificated Warrant, unless otherwise requested in writing by the Depository or the Corporation.
- (6) The rights of beneficial owners of Warrants who hold securities entitlements in respect of the Warrants through the book entry registration system shall be limited to those established by applicable law and agreements between the Depository and the Book Entry Only Participants and between such Book Entry Only Participants and the beneficial owners of Warrants who hold securities entitlements in respect of the Warrants through the book entry registration system, and such rights must be exercised through a Book Entry Only Participant in accordance with the rules and procedures of the Depository.
- (7) Notwithstanding anything herein to the contrary, neither the Corporation nor the Warrant Agent nor any agent thereof shall have any responsibility or liability for:
 - (a) the electronic records maintained by the Depository relating to any ownership interests or any other interests in the Warrants or the depository system maintained by the Depository, or payments made on account of any ownership interest or any other interest of any person in any Warrant represented by an electronic position in the book entry registration system (other than the Depository or its nominee);
 - (b) maintaining, supervising or reviewing any records of the Depository or any Book Entry Only Participant relating to any such interest; or
 - (c) any advice or representation made or given by the Depository or those contained herein that relate to the rules and regulations of the Depository or any action to be taken by the Depository on its own direction or at the direction of any Book Entry Only Participant.
- (8) The Corporation may terminate the application of this Section 2.6 in its sole discretion in which case all Warrants shall be evidenced by Warrant Certificates registered in the name of a Person other than the Depository.

Section 2.7 Warrant Certificate.

- (1) For Warrants issued in certificated form, the form of certificate representing Warrants shall be substantially as set out in Schedule "A" hereto or such other form as is authorized from time to time by the Warrant Agent. Each Warrant Certificate shall be Authenticated on behalf of the Warrant Agent. Each Warrant Certificate shall be signed by any one duly authorized signatory of the Corporation; whose signature shall appear on the Warrant Certificate and may be printed, lithographed or otherwise mechanically reproduced thereon and, in such event, certificates so signed are as valid and binding upon the Corporation as if it had been signed manually. Any Warrant Certificate which has one signature as hereinbefore provided shall be valid notwithstanding that the person whose signature is printed, lithographed or mechanically reproduced no longer holds office at the date of issuance of such certificate. The Warrant Certificates may be engraved, printed or lithographed, or partly in one form and partly in another, as the Warrant Agent may determine.
- (2) The Warrant Agent shall Authenticate Uncertificated Warrants (whether upon original issuance, exchange, registration of transfer, partial exercise, or otherwise) by completing its Internal Procedures and the Corporation shall, and hereby acknowledges that it shall, thereupon be deemed to have duly and validly issued such Uncertificated Warrants under this Indenture. Such Authentication shall be conclusive evidence that such Uncertificated Warrant has been duly issued hereunder and that the holder or holders are entitled to the benefits of this Indenture. The register shall be final and conclusive evidence as to all matters relating to Uncertificated Warrants with respect to which this Indenture requires the Warrant Agent to maintain records or accounts. In case of differences between the register at any time and any other time the register at the later time shall be controlling, absent manifest error and such Uncertificated Warrants are binding on the Corporation.
- (3) Any Warrant Certificate validly issued in accordance with the terms of this Indenture in effect at the time of issue of such Warrant Certificate shall, subject to the terms of this Indenture and applicable law, validly entitle the holder to acquire Common Shares, notwithstanding that the form of such Warrant Certificate may not be in the form currently required by this Indenture.
- (4) No Warrant shall be considered issued, valid or obligatory or shall entitle the holder thereof to the benefits of this Indenture, until it has been Authenticated by the Warrant Agent. Authentication by the Warrant Agent, including by way of entry on the register, shall not be construed as a representation or warranty by the Warrant Agent as to the validity of this Indenture or of such Warrant Certificates or Uncertificated Warrants (except the due Authentication thereof) or as to the performance by the Corporation of its obligations under this Indenture and the Warrant Agent shall in no respect be liable or answerable for the use made of the Warrants or any of them or of the consideration thereof. Authentication by the Warrant Agent shall be conclusive evidence as against the Corporation that the Warrants so Authenticated have been duly issued hereunder and that the holder thereof is entitled to the benefits of this Indenture.
- (5) No Certificated Warrant shall be considered issued and Authenticated or, if Authenticated, shall be obligatory or shall entitle the holder thereof to the benefits of this Indenture, until it has been Authenticated by signature by or on behalf of the Warrant Agent substantially in the form of the Warrant set out in Schedule "A" hereto. Such Authentication on any such Certificated Warrant shall be conclusive evidence that such Certificated Warrant is duly Authenticated and is valid and a binding obligation of the Corporation and that the holder is entitled to the benefits of this Indenture.

- (6) No Uncertificated Warrant shall be considered issued and shall be obligatory or shall entitle the holder thereof to the benefits of this Indenture, until it has been Authenticated by entry on the register of the particulars of the Uncertificated Warrant. Such entry on the register of the particulars of an Uncertificated Warrant shall be conclusive evidence that such Uncertificated Warrant is a valid and binding obligation of the Corporation and that the holder is entitled to the benefits of this Indenture.
- (7) The Authentication by the Warrant Agent of any Warrants whether by way of entry on the register or otherwise shall not be construed as a representation or warranty by the Warrant Agent as to the validity of the Indenture or such Warrants (except the due Authentication thereof) or as to the performance by the Corporation of its obligations under this Indenture and the Warrant Agent shall in no respect be liable or answerable for the use made of the Warrants or any of them or the proceeds thereof.

Section 2.8 Legends.

- (1) Neither the Warrants nor the Common Shares issuable upon exercise of the Warrants have been or will be registered under the U.S. Securities Act or under any United States state securities laws. Each Warrant Certificate originally issued for the benefit or account of a U.S. Warrantholder and each Warrant Certificate issued in exchange therefor or in substitution thereof shall bear or be deemed to bear the following legends or such variations thereof as the Corporation may prescribe from time to time:

“THE SECURITIES REPRESENTED HEREBY AND THE SECURITIES ISSUABLE PURSUANT HERETO HAVE NOT BEEN AND WILL NOT BE REGISTERED UNDER THE UNITED STATES SECURITIES ACT OF 1933, AS AMENDED (THE “U.S. SECURITIES ACT”), OR THE SECURITIES LAWS OF ANY STATE OF THE UNITED STATES. THE HOLDER HEREOF, BY PURCHASING OR OTHERWISE HOLDING SUCH SECURITIES, AGREES FOR THE BENEFIT OF MICROBIX BIOSYSTEMS INC. (THE “CORPORATION”) THAT SUCH SECURITIES MAY BE OFFERED, SOLD, PLEDGED OR OTHERWISE TRANSFERRED, DIRECTLY OR INDIRECTLY, ONLY (A) TO THE CORPORATION; (B) OUTSIDE THE UNITED STATES IN ACCORDANCE WITH RULE 904 OF REGULATION S UNDER THE U.S. SECURITIES ACT AND IN ACCORDANCE WITH ALL LOCAL LAWS AND REGULATIONS; (C) IN ACCORDANCE WITH THE EXEMPTION FROM REGISTRATION UNDER THE U.S. SECURITIES ACT PROVIDED BY (I) RULE 144 OR (II) RULE 144A THEREUNDER, IF AVAILABLE, AND IN EACH CASE IN ACCORDANCE WITH APPLICABLE STATE SECURITIES LAWS; OR (D) IN A TRANSACTION THAT DOES NOT REQUIRE REGISTRATION UNDER THE U.S. SECURITIES ACT AND ANY APPLICABLE STATE SECURITIES LAWS, AND, IN THE CASE OF CLAUSE (C)(I) OR (D), THE SELLER FURNISHES TO THE CORPORATION AN OPINION OF COUNSEL OF RECOGNIZED STANDING IN FORM AND SUBSTANCE SATISFACTORY TO THE CORPORATION TO SUCH EFFECT. THE PRESENCE OF THIS LEGEND MAY IMPAIR THE ABILITY OF THE HOLDER HEREOF TO EFFECT “GOOD DELIVERY” OF THE SECURITIES REPRESENTED HEREBY ON A CANADIAN STOCK EXCHANGE.

THIS WARRANT MAY NOT BE EXERCISED IN THE UNITED STATES OR BY OR FOR THE ACCOUNT OR BENEFIT OF A “U.S. PERSON” OR A PERSON IN THE UNITED STATES UNLESS THE WARRANT AND THE UNDERLYING SECURITIES HAVE BEEN REGISTERED UNDER THE U.S. SECURITIES ACT AND THE APPLICABLE SECURITIES LEGISLATION OF ANY SUCH STATE, OR AN EXEMPTION FROM SUCH REGISTRATION REQUIREMENTS IS AVAILABLE. “UNITED STATES” AND “U.S. PERSON” ARE AS DEFINED BY REGULATIONS UNDER THE U.S. SECURITIES ACT.”;

provided that, if the Warrants are being sold outside the United States in accordance with Rule 904 of Regulation S and in compliance with applicable local laws and regulations, and if the Corporation qualified as a “foreign issuer” (as defined in Rule 902 of Regulation S) at the time of issuance of the Warrants, this legend may be removed by the transferor providing a declaration to the Warrant Agent in the form set forth in Schedule “C” or as the Warrant Agent or the Corporation may prescribe from time to time, and if required by the Warrant Agent, including an opinion of counsel, of recognised standing reasonably satisfactory to the Corporation and the Warrant Agent, that the proposed transfer may be effected without registration under the U.S. Securities Act; and provided, further, that, if any such securities are being sold pursuant to Rule 144 under the U.S. Securities Act, if available, or a transaction that does not require registration under the U.S. Securities Act or applicable state securities laws, the legend may be removed by delivery to the Warrant Agent and the Corporation of an opinion of counsel, of recognized standing reasonably satisfactory to the Corporation and the Warrant Agent, to the effect that such legend is no longer required under applicable requirements of the U.S. Securities Act and applicable state securities laws.

The Warrant Agent shall be entitled to request any other documents that it may require in accordance with its internal policies for the removal of the legend set forth above.

- (2) Each CDS Global Warrant originally issued in Canada and held by the Depository, and each CDS Global Warrant issued in exchange therefor or in substitution thereof shall bear or be deemed to bear the following legend or such variations thereof as the Corporation may prescribe from time to time:

“UNLESS THIS CERTIFICATE IS PRESENTED BY AN AUTHORIZED REPRESENTATIVE OF CDS CLEARING AND DEPOSITORY SERVICES INC. (“CDS”) TO MICROBIX BIOSYSTEMS INC. (THE “ISSUER”) OR ITS AGENT FOR REGISTRATION OF TRANSFER, EXCHANGE OR PAYMENT, AND ANY CERTIFICATE ISSUED IN RESPECT THEREOF IS REGISTERED IN THE NAME OF CDS & CO, OR IN SUCH OTHER NAME AS IS REQUESTED BY AN AUTHORIZED REPRESENTATIVE OF CDS (AND ANY PAYMENT IS MADE TO CDS & CO. OR TO SUCH OTHER ENTITY AS IS REQUESTED BY AN AUTHORIZED REPRESENTATIVE OF CDS), ANY TRANSFER, PLEDGE OR OTHER USE HEREOF FOR VALUE OR OTHERWISE BY OR TO ANY PERSON IS WRONGFUL SINCE THE REGISTERED HOLDER HEREOF, CDS & CO., HAS A PROPERTY INTEREST IN THE SECURITIES REPRESENTED BY THIS CERTIFICATE HEREIN AND IT IS A VIOLATION OF ITS RIGHTS FOR ANOTHER PERSON TO HOLD, TRANSFER OR DEAL WITH THIS CERTIFICATE.”

- (3) Notwithstanding any other provisions of this Indenture, in processing and registering transfers of Warrants, no duty or responsibility whatsoever shall rest upon the Warrant Agent to determine the compliance by any transferor or transferee with the terms of the legend contained in subsections 2.8(1) or 2.8(2), or with the relevant securities laws or regulations, including, without limitation, Regulation S, and the Warrant Agent shall be entitled to assume that all transfers are legal and proper.

Section 2.9 Register of Warrants

- (1) The Warrant Agent shall maintain records and accounts concerning the Warrants, whether certificated or uncertificated, which shall contain the information called for below with respect to each Warrant, together with such other information as may be required by law or as the Warrant Agent may elect to record. All such information shall be kept in one set of accounts and records which the Warrant Agent shall designate (in such manner as shall permit it to be so identified as such by an unaffiliated party) as the register of the holders of Warrants. The information to be entered for each account in the register of Warrants at any time shall include (without limitation):
- (a) the name and address of the holder of the Warrants, the date of Authentication thereof and the number of Warrants;
 - (b) whether such Warrant is a Certificated Warrant or an Uncertificated Warrant and, if a Warrant Certificate, the unique number or code assigned to and imprinted thereupon and, if an Uncertificated Warrant, the unique number or code assigned thereto if any;
 - (c) if any portion thereof has been exercised, the date and price of such exercise and the remaining balance of such Warrants;
 - (d) whether such Warrant has been cancelled; and
 - (e) a register of transfers in which all transfers of Warrants and the date and other particulars of each transfer shall be entered.

The register shall be available for inspection by the Corporation and or any Warrantholder during the Warrant Agent's regular business hours on a Business Day and upon payment to the Warrant Agent of its reasonable fees. Any Warrantholder exercising such right of inspection shall first provide an affidavit in form satisfactory to the Corporation and the Warrant Agent stating the name and address of the Warrantholder and agreeing not to use the information therein except in connection with an effort to call a meeting of Warrantholders or to influence the voting of Warrantholders at any meeting of Warrantholders.

- (2) Once an Uncertificated Warrant has been Authenticated, the information set forth in the register with respect thereto at the time of Authentication may be altered, modified, amended, supplemented or otherwise changed only to reflect exercise or proper instructions to the Warrant Agent from the holder as provided herein, except that the Warrant Agent may act unilaterally to make purely administrative changes internal to the Warrant Agent and changes to correct errors. Each person who becomes a holder of an Uncertificated Warrant, by his, her or its acquisition thereof shall be deemed to have irrevocably (i) consented to the foregoing authority of the Warrant Agent to make such minor error corrections and (ii) agreed to pay to the Warrant Agent, promptly upon written demand, the full amount of all loss and expense (including without limitation reasonable legal fees of the Corporation and the Warrant Agent plus interest, at an appropriate then

prevailing rate of interest to the Warrant Agent), sustained by the Corporation or the Warrant Agent as a proximate result of such error if but only if and only to the extent that such present or former holder realized any benefit as a result of such error and could reasonably have prevented, forestalled or minimized such loss and expense by prompt reporting of the error or avoidance of accepting benefits thereof whether or not such error is or should have been timely detected and corrected by the Warrant Agent; provided, that no person who is a bona fide purchaser shall have any such obligation to the Corporation or to the Warrant Agent.

Section 2.10 Issue in Substitution for Warrant Certificates Lost, etc.

- (1) If any Warrant Certificate becomes mutilated or is lost, destroyed or stolen, the Corporation, subject to applicable law, shall issue and thereupon the Warrant Agent shall certify and deliver, a new Warrant Certificate of like tenor, and bearing the same legend, if applicable, as the one mutilated, lost, destroyed or stolen in exchange for and in place of and upon cancellation of such mutilated Warrant Certificate, or in lieu of and in substitution for such lost, destroyed or stolen Warrant Certificate, and the substituted Warrant Certificate shall be in a form approved by the Warrant Agent and the Warrants evidenced thereby shall be entitled to the benefits hereof and shall rank equally in accordance with its terms with all other Warrants issued or to be issued hereunder.
- (2) The applicant for the issue of a new Warrant Certificate pursuant to this Section 2.10 shall bear the cost of the issue thereof and in case of loss, destruction or theft shall, as a condition precedent to the issuance thereof, furnish to the Corporation and to the Warrant Agent such evidence of ownership and of the loss, destruction or theft of the Warrant Certificate so lost, destroyed or stolen as shall be satisfactory to the Corporation and to the Warrant Agent, in their sole discretion, and such applicant shall also be required to furnish an indemnity and surety bond in amount and form satisfactory to the Corporation and the Warrant Agent, in their sole discretion, and shall pay the reasonable charges of the Corporation and the Warrant Agent in connection therewith.

Section 2.11 Exchange of Warrant Certificates.

- (1) Any one or more Warrant Certificates representing any number of Warrants may, upon compliance with the reasonable requirements of the Warrant Agent (including compliance with applicable securities legislation), be exchanged for one or more other Warrant Certificates representing the same aggregate number of Warrants, and bearing the same legend(s), if applicable, as represented by the Warrant Certificate or Warrant Certificates so exchanged.
- (2) Warrant Certificates may be exchanged only at the Warrant Agency or at any other place that is designated by the Corporation with the approval of the Warrant Agent. Any Warrant Certificate from the holder (or such other instructions, in form satisfactory to the Warrant Agent), tendered for exchange shall be surrendered to the Warrant Agency and cancelled by the Warrant Agent.
- (3) Warrant Certificates exchanged for Warrant Certificates that bear the legend set forth in Section 2.8(1) shall bear the same legend.

Section 2.12 Transfer and Ownership of Warrants.

- (1) The Warrants may only be transferred on the register kept by the Warrant Agent at the Warrant Agency by the holder or its legal representatives or its attorney duly appointed by an instrument in writing in form and execution satisfactory to the Warrant Agent only upon (a) in the case of a Warrant Certificate, surrendering to the Warrant Agent at the Warrant Agency the Warrant

Certificates representing the Warrants to be transferred together with a duly executed transfer form as set forth in Schedule “A” and (b) in the case of Book Entry Only Warrants, in accordance with procedures prescribed by the Depository under the book entry registration system, and (c) upon compliance with:

- (i) the conditions herein;
- (ii) such reasonable requirements as the Warrant Agent may prescribe; and
- (iii) all applicable securities legislation and requirements of regulatory authorities;

and such transfer shall be duly noted in such register by the Warrant Agent. Upon compliance with such requirements, the Warrant Agent shall issue to the transferee of a Warrant Certificate, or the Warrant Agent shall Authenticate and deliver a Warrant Certificate upon request that part of the CDS Global Warrant be certificated. Transfers of CDS Global Warrants within the systems of the Depository are not the responsibility of the Warrant Agent and will not be noted on the register maintained by the Warrant Agent.

- (2) If a Warrant Certificate tendered for transfer bears the legend set forth in Section 2.8(1), the Warrant Agent shall not register such transfer unless the transferor has provided the Warrant Agent with the Warrant Certificate and (A) the transfer is made to the Corporation, (B) the transfer is made outside of the United States in a transaction meeting the requirements of Rule 904 of Regulation S and in compliance with applicable local laws and regulations, and if the Corporation qualified as a foreign issuer” (as defined in Rule 902 of Regulation S) at the time of issuance of the Warrants, and the transferor delivers to the Warrant Agent a declaration substantially in the form set forth in Schedule “C” to this Warrant Indenture, or in such other form as the Warrant Agent or the Corporation may from time to time prescribe, together with such other evidence of the availability of an exemption (which may, without limitation, include an opinion of counsel, of recognized standing reasonably satisfactory to the Corporation and the Warrant Agent) as the Warrant Agent may reasonably require, (C) the transfer is made pursuant to the exemption from the registration requirements of the U.S. Securities Act provided by (i) Rule 144 thereunder, if available, or (ii) Rule 144A thereunder, if available, and in each case in accordance with any applicable state securities or “blue sky” laws, or (D) the transfer is made in another transaction that does not require registration under the U.S. Securities Act or any applicable state securities laws; provided that it has prior to any transfer pursuant to Sections 2.12(2)(C)(i) or 2.12(2)(D) furnished to the Warrant Agent and the Corporation an opinion of counsel in form and substance reasonably satisfactory to the Corporation and the Warrant Agent, to such effect. In relation to a transfer under (C)(i) or (D) above, unless the Corporation and the Warrant Agent receive an opinion of counsel of recognized standing reasonably satisfactory to the Corporation and Warrant Agent in form and substance to the effect that the U.S. restrictive legend set forth in subsection 2.8(1) is no longer required on the Warrant Certificates representing the transferred Warrants, the Warrant Certificates received by the transferee will continue to bear the legend set forth in Section 2.8(1).
- (3) Subject to the provisions of this Indenture, Applicable Legislation and applicable law, the Warrantholder shall be entitled to the rights and privileges attaching to the Warrants, and the issue of Common Shares by the Corporation upon the exercise of Warrants in accordance with the terms and conditions herein contained shall discharge all responsibilities of the Corporation and the Warrant Agent with respect to such Warrants and neither the Corporation nor the Warrant Agent shall be bound to inquire into the title of any such holder.

Section 2.13 Cancellation of Surrendered Warrants.

All Warrant Certificates surrendered pursuant to Section 2.11(1), Section 2.12(1) or Article 3 shall be cancelled by the Warrant Agent and upon such circumstances all Warrants represented by such surrendered certificates shall be deemed cancelled and so noted on the register by the Warrant Agent. Upon request by the Corporation, the Warrant Agent shall furnish to the Corporation a cancellation certificate identifying the Warrant Certificates so cancelled, the number of Warrants evidenced thereby, the number of Common Shares, if any, issued pursuant to such Warrants and the details of any Warrant Certificates issued in substitution or exchange for such Warrant Certificates cancelled.

ARTICLE 3 EXERCISE OF WARRANTS

Section 3.1 Right of Exercise.

Subject to the provisions hereof, each Registered Warrantholder may exercise the right conferred on such holder to subscribe for and purchase one (1) Common Share for each Warrant after the Issue Date and prior to the Expiry Time, subject to adjustments, and in accordance with the conditions herein.

Section 3.2 Warrant Exercise.

- (1) Registered Warrantholders of Warrant Certificates who wish to exercise the Warrants held by them in order to acquire Common Shares must complete the exercise form (the “**Exercise Notice**”) attached to the Warrant Certificate(s) which form is attached hereto as Schedule “B”, which may be amended by the Corporation with the consent of the Warrant Agent, if such amendment does not, in the reasonable opinion of the Corporation and the Warrant Agent, which may be based on the advice of Counsel, materially and adversely affect the rights, entitlements and interests of the Warrantholders, and deliver such certificate(s), the executed Exercise Notice and a certified cheque, bank draft or money order payable to or to the order of the Corporation for the aggregate Exercise Price to the Warrant Agent at the Warrant Agency. The Warrants represented by a Warrant Certificate shall be deemed to be surrendered upon personal delivery of such certificate, Exercise Notice and aggregate Exercise Price or, if such documents are sent by mail or other means of transmission, upon actual receipt thereof by the Warrant Agent at the office referred to above.
- (2) In addition to completing the Exercise Notice attached to the Warrant Certificate(s), a Warrantholder who is a person in the United States, a U.S. Person, a person exercising for the account or benefit of a U.S. Person or a person in the United States, or a person requesting delivery of the Common Shares issuable upon exercise of the Warrants in the United States, must (a) provide a completed and executed U.S. Warrantholder Letter or (b) an opinion of counsel of recognised standing in form and substance reasonably satisfactory to the Corporation and the Warrant Agent that the exercise is exempt from the registration requirements of the U.S. Securities Act and applicable securities laws of any state of the United States.
- (3) A Registered Warrantholder of Uncertificated Warrants evidenced by a security entitlement in respect of Warrants must complete the Exercise Notice and deliver the executed Exercise Notice and a certified cheque, bank draft or money order payable to or to the order of the Corporation for the aggregate Exercise Price to the Warrant Agent at the Warrant Agency. The Uncertificated Warrants shall be deemed to be surrendered upon receipt of the Exercise Notice and aggregate Exercise Price or, if such documents are sent by mail or other means of transmission, upon actual receipt thereof by the Warrant Agent at the office referred to above.

- (4) A beneficial owner of Uncertificated Warrants evidenced by a security entitlement in respect of Warrants in the book entry registration system who desires to exercise his or her Warrants must do so by causing a Book Entry Only Participant to deliver to the Depository on behalf of the entitlement holder, notice of the owner's intention to exercise Warrants in a manner acceptable to the Depository. Forthwith upon receipt by the Depository of such notice, as well as payment for the aggregate Exercise Price, the Depository shall deliver to the Warrant Agent confirmation of its intention to exercise Warrants (a "**Confirmation**") in a manner acceptable to the Warrant Agent, including by electronic means through a book based registration system, including CDSX. An electronic exercise of the Warrants initiated by the Book Entry Only Participant through a book based registration system, including CDSX, shall constitute a representation to both the Corporation and the Warrant Agent that the beneficial owner at the time of exercise of such Warrants (a) is not in the United States; (b) is not a U.S. Person and is not exercising such Warrants for the account or benefit of a U.S. Person or a person in the United States; (c) did not acquire the Warrants in the United States or for the account or benefit of a U.S. Person or a person in the United States; (d) did not receive an offer to exercise the Warrant in the United States; (e) did not execute or deliver the notice of the owner's intention to exercise such Warrants in the United States; and (f) has, in all other respects, complied with the terms of Regulation S in connection with such exercise. If the CDS Participant is not able to make or deliver the foregoing representation by initiating the electronic exercise of the Warrants, then such Warrants shall be withdrawn from the book based registration system, including CDSX by the CDS Participant and an individually registered Warrant Certificate shall be issued by the Warrant Agent to such Beneficial Owner or CDS Participant and the exercise procedures set forth in Section 3.2(1) shall be followed.
- (5) Payment representing the aggregate Exercise Price must be provided to the appropriate office of the Book Entry Only Participant in a manner acceptable to it. A notice in form acceptable to the Book Entry Only Participant and payment from such beneficial holder should be provided to the Book Entry Only Participant sufficiently in advance so as to permit the Book Entry Only Participant to deliver notice and payment to the Depository and for the Depository in turn to deliver notice and payment to the Warrant Agent prior to the Expiry Time. The Depository will initiate the exercise by way of the Confirmation and forward the aggregate Exercise Price electronically to the Warrant Agent and the Warrant Agent will execute the exercise by issuing to the Depository through the book entry registration system the Common Shares to which the exercising Warrantholder is entitled pursuant to the exercise. Any expense associated with the exercise process will be for the account of the entitlement holder exercising the Warrants and/or the Book Entry Only Participant exercising the Warrants on its behalf.
- (6) By causing a Book Entry Only Participant to deliver notice to the Depository, a Warrantholder shall be deemed to have irrevocably surrendered his or her Warrants so exercised and appointed such Book Entry Only Participant to act as his or her exclusive settlement agent with respect to the exercise and the receipt of Common Shares in connection with the obligations arising from such exercise.
- (7) Any notice which the Depository determines to be incomplete, not in proper form or not duly executed shall for all purposes be void and of no effect and the exercise to which it relates shall be considered for all purposes not to have been exercised thereby. A failure by a Book Entry Only Participant to exercise or to give effect to the settlement thereof in accordance with the Warrantholder's instructions will not give rise to any obligations or liability on the part of the Corporation or Warrant Agent to the Book Entry Only Participant or the Warrantholder.

- (8) Any exercise form or Exercise Notice referred to in this Section 3.2 shall be signed by the Registered Warrantholder, or its executors or administrators or other legal representatives or an attorney of the Registered Warrantholder, duly appointed by an instrument in writing satisfactory to the Warrant Agent but such exercise form need not be executed by the Depository.
- (9) Any exercise referred to in this Section 3.2 shall require that the entire Exercise Price for Common Shares subscribed must be paid at the time of subscription and such Exercise Price and original Exercise Notice executed by the Registered Warrantholder or the Confirmation from the Depository must be received by the Warrant Agent prior to the Expiry Time.
- (10) Warrants may only be exercised pursuant to this Section 3.2 by or on behalf of a Registered Warrantholder (other than the Depository), as applicable, who makes the certifications set forth on the Exercise Notice set out in Schedule “B” or as provided herein.
- (11) If the form of Exercise Notice set forth in the Warrant Certificate shall have been amended, the Corporation shall cause the amended Exercise Notice to be forwarded to all Registered Warrantholders.
- (12) Exercise Notices and Confirmations must be delivered to the Warrant Agent at any time during the Warrant Agent’s actual business hours on any Business Day prior to the Expiry Time. Any Exercise Notice or Confirmations received by the Warrant Agent after business hours on any Business Day other than the Expiry Date will be deemed to have been received by the Warrant Agent on the next following Business Day.
- (13) Any Warrant with respect to which a Confirmation is not received by the Warrant Agent before the Expiry Time shall be deemed to have expired and become void and all rights with respect to such Warrants shall terminate and be cancelled.

Section 3.3 U.S. Prohibition on Exercise; Legended Certificates

- (1) The Warrants and the Common Shares issuable upon exercise thereof have not been and will not be registered under the U.S. Securities Act or any state securities laws, and the Warrants may not be exercised by, or for the account or benefit of, a U.S. Person or a person in the United States unless an exemption from such registration requirements is available.
- (2) Warrants may not be exercised except in compliance with the requirements set forth herein, in the Warrant Certificate and in the Exercise Notice attached thereto.
- (3) Certificates representing Common Shares issued upon the exercise of Warrants which bear the legend set forth in 2.8(1) and other than pursuant to Box A of the Exercise Form attached as Schedule “B” hereto, shall upon such issuance bear the following legend:

“THE SECURITIES REPRESENTED HEREBY HAVE NOT BEEN AND WILL NOT BE REGISTERED UNDER THE UNITED STATES SECURITIES ACT OF 1933, AS AMENDED (THE “U.S. SECURITIES ACT”), OR THE SECURITIES LAWS OF ANY STATE OF THE UNITED STATES. THE HOLDER HEREOF, BY PURCHASING OR OTHERWISE HOLDING SUCH SECURITIES, AGREES FOR THE BENEFIT OF MICROBIX BIOSYSTEMS INC. (THE “CORPORATION”) THAT SUCH SECURITIES MAY BE OFFERED, SOLD, PLEDGED OR OTHERWISE TRANSFERRED, DIRECTLY OR INDIRECTLY, ONLY (A) TO THE CORPORATION; (B) OUTSIDE THE UNITED STATES IN ACCORDANCE WITH RULE 904 OF REGULATIONS UNDER THE U.S. SECURITIES ACT AND IN ACCORDANCE WITH

ALL LOCAL LAWS AND REGULATIONS; (C) IN ACCORDANCE WITH THE EXEMPTION FROM REGISTRATION UNDER THE U.S. SECURITIES ACT PROVIDED BY (I) RULE 144 OR (II) RULE 144A THEREUNDER, IF AVAILABLE, AND IN EACH CASE IN ACCORDANCE WITH APPLICABLE STATE SECURITIES LAWS; OR (D) IN A TRANSACTION THAT DOES NOT REQUIRE REGISTRATION UNDER THE U.S. SECURITIES ACT AND ANY APPLICABLE STATE SECURITIES LAWS, AND, IN THE CASE OF CLAUSE (C)(I) OR (D), THE SELLER FURNISHES TO THE CORPORATION AN OPINION OF COUNSEL OF RECOGNIZED STANDING IN FORM AND SUBSTANCE SATISFACTORY TO THE CORPORATION TO SUCH EFFECT. THE PRESENCE OF THIS LEGEND MAY IMPAIR THE ABILITY OF THE HOLDER HEREOF TO EFFECT “GOOD DELIVERY” OF THE SECURITIES REPRESENTED HEREBY ON A CANADIAN STOCK EXCHANGE.”

Section 3.4 Transfer Fees and Taxes.

If any of the Common Shares subscribed for are to be issued to a person or persons other than the Registered Warrantholder, the Registered Warrantholder shall execute the form of transfer and will comply with such reasonable requirements as the Warrant Agent may stipulate and will pay to the Corporation or the Warrant Agent on behalf of the Corporation, all applicable transfer or similar taxes and the Corporation will not be required to issue or deliver certificates evidencing Common Shares unless or until such Warrantholder shall have paid to the Corporation or the Warrant Agent on behalf of the Corporation, the amount of such tax or shall have established to the satisfaction of the Corporation and the Warrant Agent that such tax has been paid or that no tax is due.

Section 3.5 Warrant Agency.

To facilitate the exchange, transfer or exercise of Warrants and compliance with such other terms and conditions hereof as may be required, the Corporation has appointed the Warrant Agency, as the agency at which Warrants may be surrendered for exchange or transfer or at which Warrants may be exercised and the Warrant Agent has accepted such appointment. The Corporation may from time to time designate alternate or additional places as the Warrant Agency (subject to the Warrant Agent’s prior approval) and will give notice to the Warrant Agent of any proposed change of the Warrant Agency. Branch registers shall also be kept at such other place or places, if any, as the Corporation, with the approval of the Warrant Agent, may designate. The Warrant Agent will from time to time when requested to do so by the Corporation or any Registered Warrantholder, upon payment of the Warrant Agent’s reasonable charges, furnish a list of the names and addresses of Registered Warrantholders showing the number of Warrants held by each such Registered Warrantholder.

Section 3.6 Effect of Exercise of Warrant Certificates.

- (1) Upon the exercise of Warrants pursuant to and in compliance with Section 3.2 and subject to Section 3.3 and Section 3.4, the Common Shares to be issued pursuant to the Warrants exercised shall be deemed to have been issued and the person or persons to whom such Common Shares are to be issued shall be deemed to have become the holder or holders of such Common Shares within three Business Days of the Exercise Date unless the Common Share register shall be closed on such date, in which case the Common Shares subscribed for shall be deemed to have been issued and such person or persons deemed to have become the holder or holders of record of such Common Shares, on the date on which such register is reopened. It is hereby understood that in order for persons to whom Common Shares are to be issued, to become holders of Common Shares on record on the Exercise Date, beneficial holders must commence the exercise process sufficiently

in advance so that the Warrant Agent is in receipt of all items of exercise at least one Business Day prior to such Exercise Date.

- (2) Within three Business Days after the Exercise Date with respect to a Warrant, the Warrant Agent shall use commercially reasonable efforts to cause to be delivered or mailed to the person or persons in whose name or names the Warrant is registered or, if so specified in writing by the holder, cause to be delivered to such person or persons at the Warrant Agency where the Warrant Certificate was surrendered, a certificate or certificates for the appropriate number of Common Shares subscribed for, or any other appropriate evidence of the issuance of Common Shares to such person or persons in respect of Common Shares issued under the book entry registration system.

Section 3.7 Partial Exercise of Warrants; Fractions.

- (1) The holder of any Warrants may exercise his right to acquire a number of whole Common Shares less than the aggregate number which the holder is entitled to acquire. In the event of any exercise of a number of Warrants less than the number which the holder is entitled to exercise, the holder of Warrants upon such exercise shall, in addition, be entitled to receive, without charge therefor, a new Warrant Certificate(s), bearing the same legend, if applicable, or other appropriate evidence of Warrants, in respect of the balance of the Warrants held by such holder and which were not then exercised.
- (2) Notwithstanding anything herein contained including any adjustment provided for in Section 4.1, the Corporation shall not be required, upon the exercise of any Warrants, to issue fractions of Common Shares. Warrants may only be exercised in a sufficient number to acquire whole numbers of Common Shares.

Section 3.8 Expiration of Warrants.

Immediately after the Expiry Time, all rights under any Warrant in respect of which the right of acquisition provided for herein shall not have been exercised shall cease and terminate and each Warrant shall be void and of no further force or effect.

Section 3.9 Accounting and Recording.

- (1) The Warrant Agent shall promptly account to the Corporation with respect to Warrants exercised, and shall promptly forward to the Corporation (or into an account or accounts of the Corporation with the bank or trust company designated by the Corporation for that purpose), all monies received by the Warrant Agent on the subscription of Common Shares through the exercise of Warrants. All such monies and any securities or other instruments, from time to time received by the Warrant Agent, shall be received in trust for, and shall be segregated and kept apart by the Warrant Agent for the benefit of the Warrantholders and the Corporation as their interests may appear.
- (2) The Warrant Agent shall record the particulars of Warrants exercised, which particulars shall include the names and addresses of the persons who become holders of Common Shares on exercise and the Exercise Date, in respect thereof. The Warrant Agent shall provide such particulars in writing to the Corporation within five Business Days of any request by the Corporation therefor.

Section 3.10 Securities Restrictions.

Notwithstanding anything herein contained, Common Shares will be issued upon exercise of a Warrant only in compliance with the securities laws of any applicable jurisdiction.

ARTICLE 4 ADJUSTMENT OF NUMBER OF COMMON SHARES AND EXERCISE PRICE

Section 4.1 Adjustment of Number of Common Shares and Exercise Price.

The subscription rights in effect under the Warrants for Common Shares issuable upon the exercise of the Warrants shall be subject to adjustment from time to time as follows:

- (a) if, at any time during the Adjustment Period, the Corporation shall:
 - (i) subdivide, re-divide or change its outstanding Common Shares into a greater number of Common Shares;
 - (ii) reduce, combine or consolidate its outstanding Common Shares into a lesser number of Common Shares; or
 - (iii) issue Common Shares or securities exchangeable for, or convertible into, Common Shares to all or substantially all of the holders of Common Shares by way of stock dividend or other distribution (other than a distribution of Common Shares upon the exercise of Warrants or any outstanding options);

(any of such events in Section 4.1(a) (i), (ii) or (iii) being called a “**Common Share Reorganization**”) then the Exercise Price shall be adjusted as of the effect on the effective date or record date of such subdivision, re-division, change, reduction, combination, consolidation or distribution, as the case may be, shall in the case of the events referred to in (i) or (iii) above be decreased in proportion to the number of outstanding Common Shares resulting from such subdivision, re-division, change or distribution, or shall, in the case of the events referred to in (ii) above, be increased in proportion to the number of outstanding Common Shares resulting from such reduction, combination or consolidation by multiplying the Exercise Price in effect immediately prior to such effective date or record date by a fraction, the numerator of which shall be the number of Common Shares outstanding on such effective date or record date before giving effect to such Common Share Reorganization and the denominator of which shall be the number of Common Shares outstanding as of the effective date or record date after giving effect to such Common Shares Reorganization (including, in the case where securities exchangeable for or convertible into Common Shares are distributed, the number of Common Share that would have been outstanding had such securities been exchanged for or converted into Common Shares on such record date or effective date). Such adjustment shall be made successively whenever any event referred to in this Section 4.1(a) shall occur. Upon any adjustment of the Exercise Price pursuant to Section 4.1(a), the Exchange Rate shall be contemporaneously adjusted by multiplying the number of Common Shares theretofore obtainable on the exercise thereof by a fraction of which the numerator shall be the Exercise Price in effect immediately prior to such adjustment and the denominator shall be the Exercise Price resulting from such adjustment;

- (b) if and whenever at any time during the Adjustment Period, the Corporation shall fix a record date for the issuance of rights, options or warrants to all or substantially all the holders of its outstanding Common Shares entitling them, for a period expiring not more than 45 days after such record date,

to subscribe for or purchase Common Shares (or securities convertible or exchangeable into Common Shares) at a price per Common Share (or having a conversion or exchange price per Common Share) less than 95% of the Current Market Price on such record date (a “**Rights Offering**”), the Exercise Price shall be adjusted immediately after such record date so that it shall equal the amount determined by multiplying the Exercise Price in effect on such record date by a fraction, of which the numerator shall be the total number of Common Shares outstanding on such record date plus a number of Common Shares equal to the number arrived at by dividing the aggregate price of the total number of additional Common Shares offered for subscription or purchase (or the aggregate conversion or exchange price of the convertible or exchangeable securities so offered) by the Current Market Price, and of which the denominator shall be the total number of Common Shares outstanding on such record date plus the total number of additional Common Shares offered for subscription or purchase or into which the convertible or exchangeable securities so offered are convertible or exchangeable; any Common Shares owned by or held for the account of the Corporation shall be deemed not to be outstanding for the purpose of any such computation; such adjustment shall be made successively whenever such a record date is fixed; to the extent that no such rights or warrants are exercised prior to the expiration thereof, the Exercise Price shall be readjusted to the Exercise Price which would then be in effect if such record date had not been fixed or, if any such rights or warrants are exercised, to the Exercise Price which would then be in effect based upon the number of Common Shares (or securities convertible or exchangeable into Common Shares) actually issued upon the exercise of such rights or warrants, as the case may be. Upon any adjustment of the Exercise Price pursuant to this Section 4.1(b), the Exchange Rate will be adjusted immediately after such record date so that it will equal the rate determined by multiplying the Exchange Rate in effect on such record date by a fraction, of which the numerator shall be the Exercise Price in effect immediately prior to such adjustment and the denominator shall be the Exercise Price resulting from such adjustment. Such adjustment will be made successively whenever such a record date is fixed, provided that if two or more such record dates or record dates referred to in this Section 4.1(b) are fixed within a period of 25 Trading Days, such adjustment will be made successively as if each of such record dates occurred on the earliest of such record dates;

- (c) if and whenever at any time during the Adjustment Period the Corporation shall fix a record date for the making of a distribution to all or substantially all the holders of its outstanding Common Shares of (i) securities of any class, whether of the Corporation or any other trust (other than Common Shares), (ii) rights, options or warrants to subscribe for or purchase Common Shares (or other securities convertible into or exchangeable for Common Shares), other than pursuant to a Rights Offering; (iii) evidences of its indebtedness or (iv) any property or other assets then, in each such case, the Exercise Price shall be adjusted immediately after such record date so that it shall equal the price determined by multiplying the Exercise Price in effect on such record date by a fraction, of which the numerator shall be the total number of Common Shares outstanding on such record date multiplied by the Current Market Price on such record date, less the excess, if any, of the fair market value on such record date, as determined by the Corporation (whose determination shall be conclusive), of such securities or other assets so issued or distributed over the fair market value of any consideration received therefor by the Corporation from the holders of the Common Shares, and of which the denominator shall be the total number of Common Shares outstanding on such record date multiplied by the Current Market Price; and Common Shares owned by or held for the account of the Corporation shall be deemed not to be outstanding for the purpose of any such computation; such adjustment shall be made successively whenever such a record date is fixed; to the extent that such distribution is not so made, the Exercise Price shall be readjusted to the Exercise Price which would then be in effect if such record date had not been fixed. Upon any adjustment of the Exercise Price pursuant to this Section 4.1(c), the Exchange Rate will be adjusted immediately after such record date so that it will equal the rate determined by multiplying the

Exchange Rate in effect on such record date by a fraction, of which the numerator shall be the Exercise Price in effect immediately prior to such adjustment and the denominator shall be the Exercise Price resulting from such adjustment;

- (d) if and whenever at any time during the Adjustment Period, there is a reclassification of the Common Shares or a capital reorganization of the Corporation other than as described in Section 4.1(a) or a consolidation, amalgamation, arrangement or merger of the Corporation with or into any other body corporate, trust, partnership or other entity, or a sale or conveyance of the property and assets of the Corporation as an entirety or substantially as an entirety to any other body corporate, trust, partnership or other entity, any Registered Warrantholder who has not exercised its right of acquisition prior to the effective date of such reclassification, capital reorganization, consolidation, amalgamation, arrangement or merger, sale or conveyance, upon the exercise of such right thereafter, shall be entitled to receive upon payment of the Exercise Price and shall accept, in lieu of the number of Common Shares that prior to such effective date the Registered Warrantholder would have been entitled to receive, the number of shares or other securities or property of the Corporation or of the body corporate, trust, partnership or other entity resulting from such merger, amalgamation or consolidation, or to which such sale or conveyance may be made, as the case may be, that such Registered Warrantholder would have been entitled to receive on such reclassification, capital reorganization, consolidation, amalgamation, arrangement or merger, sale or conveyance, if, on the effective date thereof, as the case may be, the Registered Warrantholder had been the registered holder of the number of Common Shares to which prior to such effective date it was entitled to acquire upon the exercise of the Warrants. If determined appropriate by the Warrant Agent, relying on advice of Counsel, to give effect to or to evidence the provisions of this Section 4.1(d), the Corporation, its successor, or such purchasing body corporate, partnership, trust or other entity, as the case may be, shall, prior to or contemporaneously with any such reclassification, capital reorganization, consolidation, amalgamation, arrangement, merger, sale or conveyance, enter into an indenture which shall provide, to the extent possible, for the application of the provisions set forth in this Indenture with respect to the rights and interests thereafter of the Registered Warrantholders to the end that the provisions set forth in this Indenture shall thereafter correspondingly be made applicable, as nearly as may reasonably be, with respect to any shares, other securities or property to which a Registered Warrantholder is entitled on the exercise of its acquisition rights thereafter. Any indenture entered into between the Corporation and the Warrant Agent pursuant to the provisions of this Section 4.1(d) shall be a supplemental indenture entered into pursuant to the provisions of Article 8 hereof. Any indenture entered into between the Corporation, any successor to the Corporation or such purchasing body corporate, partnership, trust or other entity and the Warrant Agent shall provide for adjustments which shall be as nearly equivalent as may be practicable to the adjustments provided in this Section 4.1 and which shall apply to successive reclassifications, capital reorganizations, amalgamations, consolidations, mergers, sales or conveyances;
- (e) in any case in which this Section 4.1 shall require that an adjustment shall become effective immediately after a record date for an event referred to herein, the Corporation may defer, until the occurrence of such event, issuing to the Registered Warrantholder of any Warrant exercised after the record date and prior to completion of such event the additional Common Shares issuable by reason of the adjustment required by such event before giving effect to such adjustment; provided, however, that the Corporation shall deliver to such Registered Warrantholder an appropriate instrument evidencing such Registered Warrantholder's right to receive such additional Common Shares upon the occurrence of the event requiring such adjustment and the right to receive any distributions made on such additional Common Shares declared in favour of holders of record of Common Shares on and after the relevant date of exercise or such later date as such Registered

Warrantholder would, but for the provisions of this Section 4.1(e), have become the holder of record of such additional Common Shares pursuant to Section 4.1;

- (f) in any case in which Section 4.1(a)(iii), Section 4.1(b) or Section 4.1(c) require that an adjustment be made to the Exercise Price, no such adjustment shall be made if the Registered Warrantholders of the outstanding Warrants receive, subject to any required stock exchange or regulatory approval, the rights or warrants referred to in Section 4.1(a)(iii), Section 4.1(b) or the shares, rights, options, warrants, evidences of indebtedness or assets referred to in Section 4.1(c), as the case may be, in such kind and number as they would have received if they had been holders of Common Shares on the applicable record date or effective date, as the case may be, by virtue of their outstanding Warrant having then been exercised into Common Shares at the Exercise Price in effect on the applicable record date or effective date, as the case may be;
- (g) the adjustments provided for in this Section 4.1 are cumulative, and shall, in the case of adjustments to the Exercise Price be computed to the nearest whole cent and shall apply to successive subdivisions, re-divisions, reductions, combinations, consolidations, distributions, issues or other events resulting in any adjustment under the provisions of this Section 4.1, provided that, notwithstanding any other provision of this Section, no adjustment of the Exercise Price shall be required unless such adjustment would require an increase or decrease of at least 1% in the Exercise Price then in effect; provided, however, that any adjustments which by reason of this Section 4.1(g) are not required to be made shall be carried forward and taken into account in any subsequent adjustment; and
- (h) after any adjustment pursuant to this Section 4.1, the term “**Common Shares**” where used in this Indenture shall be interpreted to mean securities of any class or classes which, as a result of such adjustment and all prior adjustments pursuant to this Section 4.1, the Registered Warrantholder is entitled to receive upon the exercise of his Warrant, and the number of Common Shares indicated by any exercise made pursuant to a Warrant shall be interpreted to mean the number of Common Shares or other property or securities a Registered Warrantholder is entitled to receive, as a result of such adjustment and all prior adjustments pursuant to this Section 4.1, upon the full exercise of a Warrant.

Section 4.2 Entitlement to Common Shares on Exercise of Warrant.

All Common Shares or shares of any class or other securities, which a Registered Warrantholder is at the time in question entitled to receive on the exercise of its Warrant, whether or not as a result of adjustments made pursuant to this Article 4, shall, for the purposes of the interpretation of this Indenture, be deemed to be Common Shares which such Registered Warrantholder is entitled to acquire pursuant to such Warrant.

Section 4.3 No Adjustment for Certain Transactions.

Notwithstanding anything in this Article 4, no adjustment shall be made in the acquisition rights attached to the Warrants if the issue of Common Shares is being made pursuant to this Indenture or in connection with (a) any share incentive plan or restricted share plan or share purchase plan in force from time to time for directors, officers, employees, consultants or other service providers of the Corporation; or (b) the satisfaction of existing instruments issued at the date hereof.

Section 4.4 Determination by Independent Firm.

In the event of any question arising with respect to the adjustments provided for in this Article 4 such question shall be conclusively determined by an independent firm of chartered accountants other than the Auditors, who shall have access to all necessary records of the Corporation, and such determination shall be binding upon the Corporation, the Warrant Agent, all holders and all other persons interested therein.

Section 4.5 Proceedings Prior to any Action Requiring Adjustment.

As a condition precedent to the taking of any action which would require an adjustment in any of the acquisition rights pursuant to any of the Warrants, including the number of Common Shares which are to be received upon the exercise thereof, the Corporation shall take any action which may, in the opinion of Counsel, be necessary in order that the Corporation has unissued and reserved in its authorized capital and may validly and legally issue as fully paid and non-assessable all the Common Shares which the holders of such Warrants are entitled to receive on the full exercise thereof in accordance with the provisions hereof.

Section 4.6 Certificate of Adjustment.

The Corporation shall from time to time immediately after the occurrence of any event which requires an adjustment or readjustment as provided in Section 4.1, deliver a certificate of the Corporation to the Warrant Agent specifying the nature of the event requiring the same and the amount of the adjustment or readjustment necessitated thereby and setting forth in reasonable detail the method of calculation and the facts upon which such calculation is based, which certificate shall be supported by a certificate of the Corporation's Auditors verifying such calculation. The Warrant Agent shall rely, and shall be protected in so doing, upon the certificate of the Corporation or of the Corporation's Auditor and any other document filed by the Corporation pursuant to this Article 4 for all purposes.

Section 4.7 Notice of Special Matters.

The Corporation covenants with the Warrant Agent that, so long as any Warrant remains outstanding, it will give notice to the Warrant Agent and to the Registered Warrantholders of its intention to fix a record date that is prior to the Expiry Date for any matter for which an adjustment may be required pursuant to Section 4.1 Such notice shall specify the particulars of such event and the record date for such event, provided that the Corporation shall only be required to specify in the notice such particulars of the event as shall have been fixed and determined on the date on which the notice is given. The notice shall be given in each case not less than 14 days prior to such applicable record date. If notice has been given and the adjustment is not then determinable, the Corporation shall promptly, after the adjustment is determinable, file with the Warrant Agent a computation of the adjustment and give notice to the Registered Warrantholders of such adjustment computation. Once a notice pursuant to this Section 4.7 has been given, the Warrant Agent shall be entitled to rely absolutely and shall be protected in so relying on any adjustment calculation of the Corporation or the independent firm referred to in Section 4.4.

Section 4.8 No Action after Notice.

The Corporation covenants with the Warrant Agent that it will not close its transfer books or take any other corporate action which might deprive the Registered Warrantholder of the opportunity to exercise its right of acquisition pursuant thereto during the period of 14 days after the giving of the certificate or notices set forth in Section 4.6 and Section 4.7.

Section 4.9 Other Action.

If the Corporation, after the date hereof, shall take any action affecting the Common Shares other than action described in Section 4.1, which in the reasonable opinion of the directors of the Corporation would materially affect the rights of Registered Warrantholders, the Exercise Price and/or Exchange Rate, the number of Common Shares which may be acquired upon exercise of the Warrants shall be adjusted in such manner and at such time, by action of the directors, acting reasonably and in good faith, in their sole discretion as they may determine to be equitable to the Registered Warrantholders in the circumstances, provided that no such adjustment will be made unless any requisite prior approval of any stock exchange on which the Common Shares are listed for trading has been obtained.

Section 4.10 Protection of Warrant Agent.

The Warrant Agent shall not:

- (a) at any time be under any duty or responsibility to any Registered Warrantholder to determine whether any facts exist which may require any adjustment contemplated by Section 4.1, or with respect to the nature or extent of any such adjustment when made, or with respect to the method employed in making the same;
- (b) be accountable with respect to the validity or value (or the kind or amount) of any Common Shares or of any other securities or property which may at any time be issued or delivered upon the exercise of the rights attaching to any Warrant;
- (c) be responsible for any failure of the Corporation to issue, transfer or deliver Common Shares or certificates for the same upon the surrender of any Warrants for the purpose of the exercise of such rights or to comply with any of the covenants contained in this Article; and
- (d) incur any liability or be in any way responsible for the consequences of any breach on the part of the Corporation of any of the representations, warranties or covenants herein contained or of any acts of the directors, officers, employees, agents or servants of the Corporation.

Section 4.11 Participation by Warrantholder.

No adjustments shall be made pursuant to this Article 4 if the Registered Warrantholders are entitled to participate in any event described in this Article 4 on the same terms, mutatis mutandis, as if the Registered Warrantholders had exercised their Warrants prior to, or on the effective date or record date of, such event.

ARTICLE 5
RIGHTS OF THE CORPORATION AND COVENANTS

Section 5.1 Optional Purchases by the Corporation.

Subject to compliance with applicable securities legislation and approval of applicable regulatory authorities, if any, the Corporation may from time to time purchase by private contract or otherwise any of the Warrants. Any such purchase shall be made at the lowest price or prices at which, in the opinion of the directors, such Warrants are then obtainable, plus reasonable costs of purchase, and may be made in such manner, from such persons and on such other terms as the Corporation, in its sole discretion, may determine. In the case of Certificated Warrants, Warrant Certificates representing the Warrants purchased pursuant to this Section 5.1 shall forthwith be delivered to and cancelled by the Warrant Agent and reflected accordingly on the register of Warrants. In the case of Uncertificated Warrants, the Warrants purchased pursuant to this Section 5.1 shall be reflected accordingly on the register of Warrants and in accordance with procedures prescribed by the Depository under the book entry registration system. No Warrants shall be issued in replacement thereof.

Section 5.2 General Covenants.

The Corporation covenants with the Warrant Agent that so long as any Warrants remain outstanding:

- (a) it will reserve and keep available a sufficient number of Common Shares for the purpose of enabling it to satisfy its obligations to issue Common Shares upon the exercise of the Warrants;
- (b) it will cause the Common Shares from time to time acquired pursuant to the exercise of the Warrants to be duly issued and delivered in accordance with the Warrants and the terms hereof;
- (c) upon payment of the aggregate Exercise Price therefor, all Common Shares which shall be issued upon exercise of the right to acquire provided for herein shall be fully paid and non-assessable;
- (d) it will use reasonable commercial efforts to maintain its existence and carry on its business in the ordinary course;
- (e) it will use reasonable commercial efforts to ensure that all Common Shares outstanding or issuable from time to time (including without limitation the Common Shares issuable on the exercise of the Warrants) continue to be or are listed and posted for trading on the TSX for a period of 24 months following the Issue Date, provided that this clause shall not be construed as limiting or restricting the Corporation from completing a consolidation, amalgamation, arrangement, takeover bid, merger or like transaction that would result in the Common Shares ceasing to be listed and posted for trading on the TSX, so long as the holders of Common Shares receive securities of an entity which is listed on a stock exchange in Canada, or cash, or the holders of the Common shares have approved the transaction in accordance with the requirements of applicable corporate and securities laws and the policies of the TSX;
- (f) it will make all requisite filings under applicable Canadian securities legislation including those necessary to remain a reporting issuer not in default in each of the provinces and other Canadian jurisdictions where it is or becomes a reporting issuer for a period of 24 months after the Issue Date;
- (g) generally, it will well and truly perform and carry out all of the acts or things to be done by it as provided in this Indenture; and

- (h) the Corporation will promptly notify the Warrant Agent and the Warrantholders in writing of any default under the terms of this Warrant Indenture which remains unrectified for more than five days following its occurrence.

Section 5.3 Warrant Agent's Remuneration and Expenses.

The Corporation covenants that it will pay to the Warrant Agent from time to time reasonable remuneration for its services hereunder and will pay or reimburse the Warrant Agent upon its request for all reasonable expenses, disbursements and advances incurred or made by the Warrant Agent in the administration or execution of its duties hereby created (including the reasonable compensation and the disbursements of its Counsel and all other advisers and assistants not regularly in its employ) both before any default hereunder and thereafter until all duties of the Warrant Agent hereunder shall be finally and fully performed, except any such expense, disbursement or advance as may arise out of or result from the Warrant Agent's gross negligence, willful misconduct or bad faith. Any amount owing hereunder and remaining unpaid after 30 days from the invoice date will bear interest at the then current rate charged by the Warrant Agent against unpaid invoices and shall be payable upon demand. This Section shall survive the resignation or removal of the Warrant Agent and/or the termination of this Indenture.

Section 5.4 Performance of Covenants by Warrant Agent.

If the Corporation shall fail to perform any of its covenants contained in this Indenture, then the Corporation will notify the Warrant Agent in writing of such failure and upon receipt by the Warrant Agent of such notice, the Warrant Agent may notify the Registered Warrantholders of such failure on the part of the Corporation and may itself perform any of the covenants capable of being performed by it but, subject to Section 9.2, shall be under no obligation to perform said covenants or to notify the Registered Warrantholders of such performance by it. All sums expended or advanced by the Warrant Agent in so doing shall be repayable as provided in Section 5.3. No such performance, expenditure or advance by the Warrant Agent shall relieve the Corporation of any default hereunder or of its continuing obligations under the covenants herein contained.

Section 5.5 Enforceability of Warrants.

The Corporation covenants and agrees that it is duly authorized to create and issue the Warrants to be issued hereunder and that the Warrants, when issued and Authenticated as herein provided, will be valid and enforceable against the Corporation in accordance with the provisions hereof and the terms hereof and that, subject to the provisions of this Indenture, the Corporation will cause the Common Shares from time to time acquired upon exercise of Warrants issued under this Indenture to be duly issued and delivered in accordance with the terms of this Indenture.

ARTICLE 6 ENFORCEMENT

Section 6.1 Suits by Registered Warrantholders.

All or any of the rights conferred upon any Registered Warrantholder by any of the terms of this Indenture may be enforced by the Registered Warrantholder by appropriate proceedings but without prejudice to the right which is hereby conferred upon the Warrant Agent to proceed in its own name to enforce each and all of the provisions herein contained for the benefit of the Registered Warrantholders.

Section 6.2 Suits by the Corporation.

The Corporation shall have the right to enforce full payment of the Exercise Price of all Common Shares issued by the Warrant Agent to a Registered Warrantholder hereunder and shall be entitled to demand such payment from the Registered Warrantholder or alternatively to instruct the Warrant Agent to cancel the share certificates and amend the securities register accordingly.

Section 6.3 Immunity of Shareholders, etc.

The Warrant Agent and the Warrantholders hereby waive and release any right, cause of action or remedy now or hereafter existing in any jurisdiction against any incorporator or any past, present or future shareholder, trustee, employee or agent of the Corporation or any successor entity on any covenant, agreement, representation or warranty by the Corporation herein.

Section 6.4 Waiver of Default.

Upon the happening of any default hereunder:

- (a) the Registered Warrantholders of not less than 51% of the Warrants then outstanding shall have power (in addition to the powers exercisable by Extraordinary Resolution) by requisition in writing to instruct the Warrant Agent to waive any default hereunder and the Warrant Agent shall thereupon waive the default upon such terms and conditions as shall be prescribed in such requisition; or
- (b) the Warrant Agent shall have power to waive any default hereunder upon such terms and conditions as the Warrant Agent may deem advisable, on the advice of Counsel, if, in the Warrant Agent's opinion, based on the advice of Counsel, the same shall have been cured or adequate provision made therefor;

provided that no delay or omission of the Warrant Agent or of the Registered Warrantholders to exercise any right or power accruing upon any default shall impair any such right or power or shall be construed to be a waiver of any such default or acquiescence therein and provided further that no act or omission either of the Warrant Agent or of the Registered Warrantholders in the premises shall extend to or be taken in any manner whatsoever to affect any subsequent default hereunder of the rights resulting therefrom.

ARTICLE 7 MEETINGS OF REGISTERED WARRANTHOLDERS

Section 7.1 Right to Convene Meetings.

The Warrant Agent may at any time and from time to time, and shall on receipt of a written request of the Corporation or of a Warrantholders' Request and upon being indemnified and funded to its reasonable satisfaction by the Corporation or by the Registered Warrantholders signing such Warrantholders' Request against the costs which may be incurred in connection with the calling and holding of such meeting, convene a meeting of the Registered Warrantholders. If the Warrant Agent fails to so call a meeting within seven days after receipt of such written request of the Corporation or such Warrantholders' Request and the indemnity and funding given as aforesaid, the Corporation or such Registered Warrantholders, as the case may be, may convene such meeting. Every such meeting shall be held in the City of Toronto, Ontario or at such other place as may be approved or determined by the Warrant Agent.

Section 7.2 Notice.

At least 21 days' prior written notice of any meeting of Registered Warrantholders shall be given to the Registered Warrantholders in the manner provided for in Section 10.2 and a copy of such notice shall be sent by mail to the Warrant Agent (unless the meeting has been called by the Warrant Agent) and to the Corporation (unless the meeting has been called by the Corporation). Such notice shall state the time when and the place where the meeting is to be held, shall state briefly the general nature of the business to be transacted thereat and shall contain such information as is reasonably necessary to enable the Registered Warrantholders to make a reasoned decision on the matter, but it shall not be necessary for any such notice to set out the terms of any resolution to be proposed or any of the provisions of this Section 7.2.

Section 7.3 Chairman.

An individual (who need not be a Registered Warrantholder) designated in writing by the Warrant Agent shall be chairman of the meeting and if no individual is so designated, or if the individual so designated is not present within fifteen minutes from the time fixed for the holding of the meeting, the Registered Warrantholders present in person or by proxy shall choose an individual present to be chairman.

Section 7.4 Quorum.

Subject to the provisions of Section 7.11, at any meeting of the Registered Warrantholders a quorum shall consist of Registered Warrantholder(s) present in person or by proxy and entitled to purchase at least 50% of the aggregate number of Common Shares which could be acquired pursuant to all the then outstanding Warrants. If a quorum of the Registered Warrantholders shall not be present within thirty minutes from the time fixed for holding any meeting, the meeting, if summoned by Registered Warrantholders or on a Warrantholders' Request, shall be dissolved; but in any other case the meeting shall be adjourned to the same day in the next week (unless such day is not a Business Day, in which case it shall be adjourned to the next following Business Day) at the same time and place and no notice of the adjournment need be given. Any business may be brought before or dealt with at an adjourned meeting which might have been dealt with at the original meeting in accordance with the notice calling the same. No business shall be transacted at any meeting unless a quorum be present at the commencement of business. At the adjourned meeting the Registered Warrantholders present in person or by proxy shall form a quorum and may transact the business for which the meeting was originally convened, notwithstanding that they may not be entitled to acquire at least 50% of the aggregate number of Common Shares which may be acquired pursuant to all then outstanding Warrants.

Section 7.5 Power to Adjourn.

The chairman of any meeting at which a quorum of the Registered Warrantholders is present (other than a meeting that is called as a result of a Warrantholders' Request) may, with the consent of the meeting, adjourn any such meeting, and no notice of such adjournment need be given except such notice, if any, as the meeting may prescribe.

Section 7.6 Show of Hands.

Every question submitted to a meeting shall be decided in the first place by a majority of the votes given on a show of hands except that votes on an Extraordinary Resolution shall be given in the manner hereinafter provided. At any such meeting, unless a poll is duly demanded as herein provided, a declaration by the chairman that a resolution has been carried or carried unanimously or by a particular majority or lost or not carried by a particular majority shall be conclusive evidence of the fact.

Section 7.7 Poll and Voting.

- (1) On every Extraordinary Resolution, and on any other question submitted to a meeting and after a vote by show of hands when demanded by the chairman or by one or more of the Registered Warranholders acting in person or by proxy and entitled to acquire in the aggregate at least 5% of the aggregate number of Common Shares which could be acquired pursuant to all the Warrants then outstanding, a poll shall be taken in such manner as the chairman shall direct. Questions other than those required to be determined by Extraordinary Resolution shall be decided by a majority of the votes cast on the poll.
- (2) On a show of hands, every person who is present and entitled to vote, whether as a Registered Warranholder or as proxy for one or more absent Registered Warranholders, or both, shall have one vote. On a poll, each Registered Warranholder present in person or represented by a proxy duly appointed by instrument in writing shall be entitled to one vote in respect of each Warrant then held or represented by it. A proxy need not be a Registered Warranholder. The chairman of any meeting shall be entitled, both on a show of hands and on a poll, to vote in respect of the Warrants, if any, held or represented by him.

Section 7.8 Regulations.

- (1) The Warrant Agent, or the Corporation with the approval of the Warrant Agent, may from time to time make and from time to time vary such regulations as it shall think fit for the setting of the record date for a meeting for the purpose of determining Registered Warranholders entitled to receive notice of and to vote at the meeting.
- (2) Any regulations so made shall be binding and effective and the votes given in accordance therewith shall be valid and shall be counted. Save as such regulations may provide, the only persons who shall be recognized at any meeting as a Registered Warranholder, or be entitled to vote or be present at the meeting in respect thereof (subject to Section 7.9), shall be Registered Warranholders or proxies of Registered Warranholders.

Section 7.9 Corporation and Warrant Agent May be Represented.

The Corporation and the Warrant Agent, by their respective directors, officers, agents, and employees and the Counsel for the Corporation and for the Warrant Agent may attend any meeting of the Registered Warranholders.

Section 7.10 Powers Exercisable by Extraordinary Resolution.

In addition to all other powers conferred upon them by any other provisions of this Indenture or by law, the Registered Warranholders at a meeting shall, subject to the provisions of Section 7.11, have the power exercisable from time to time by Extraordinary Resolution:

- (a) to agree to any modification, abrogation, alteration, compromise or arrangement of the rights of Registered Warranholders or the Warrant Agent in its capacity as warrant agent hereunder (subject to the Warrant Agent's prior consent, acting reasonably) or on behalf of the Registered Warranholders against the Corporation whether such rights arise under this Indenture or otherwise;
- (b) to amend, alter or repeal any Extraordinary Resolution previously passed or sanctioned by the Registered Warranholders;

- (c) to direct or to authorize the Warrant Agent, subject to Section 9.2(2) hereof, to enforce any of the covenants on the part of the Corporation contained in this Indenture or to enforce any of the rights of the Registered Warrantholders in any manner specified in such Extraordinary Resolution or to refrain from enforcing any such covenant or right;
- (d) to waive, and to direct the Warrant Agent to waive, any default on the part of the Corporation in complying with any provisions of this Indenture either unconditionally or upon any conditions specified in such Extraordinary Resolution;
- (e) to restrain any Registered Warrantholder from taking or instituting any suit, action or proceeding against the Corporation for the enforcement of any of the covenants on the part of the Corporation in this Indenture or to enforce any of the rights of the Registered Warrantholders;
- (f) to direct any Registered Warrantholder who, as such, has brought any suit, action or proceeding to stay or to discontinue or otherwise to deal with the same upon payment of the costs, charges and expenses reasonably and properly incurred by such Registered Warrantholder in connection therewith;
- (g) to assent to any change in or omission from the provisions contained in this Indenture or any ancillary or supplemental instrument which may be agreed to by the Corporation, and to authorize the Warrant Agent to concur in and execute any ancillary or supplemental indenture embodying the change or omission;
- (h) with the consent of the Corporation, such consent not to be unreasonably withheld, to remove the Warrant Agent or its successor in office and to appoint a new warrant agent or warrant agents to take the place of the Warrant Agent so removed; and
- (i) to assent to any compromise or arrangement with any creditor or creditors or any class or classes of creditors, whether secured or otherwise, and with holders of any shares or other securities of the Corporation.

Section 7.11 Meaning of Extraordinary Resolution.

- (1) The expression “**Extraordinary Resolution**” when used in this Indenture means, subject as hereinafter provided in this Section 7.11 and in Section 7.14, a resolution (i) proposed at a meeting of Registered Warrantholders duly convened for that purpose and held in accordance with the provisions of this Article 7 at which there are present in person or by proxy Registered Warrantholders holding at least 25% of the aggregate number of Common Shares that could be acquired and passed by the affirmative votes of Registered Warrantholders holding not less than 66 2/3% of the aggregate number of Common Shares that could be acquired at the meeting and voted on the poll upon such resolution; or (ii) in writing signed by the holders of at least 66 2/3% of the then outstanding Warrants on any matter that would otherwise be voted upon at a meeting called to approve such resolution as contemplated in Section 7.11(1)(i).
- (2) If, at the meeting at which an Extraordinary Resolution is to be considered, Registered Warrantholders holding at least 25% of the aggregate number of Common Shares that could be acquired are not present in person or by proxy within 30 minutes after the time appointed for the meeting, then the meeting, if convened by Registered Warrantholders or on a Warrantholders’ Request, shall be dissolved; but in any other case it shall stand adjourned to such day, being not less than 15 or more than 60 days later, and to such place and time as may be appointed by the chairman. Not less than 14 days’ prior notice shall be given of the time and place of such adjourned

meeting in the manner provided for in Section 10.2. Such notice shall state that at the adjourned meeting the Registered Warranholders present in person or by proxy shall form a quorum but it shall not be necessary to set forth the purposes for which the meeting was originally called or any other particulars. At the adjourned meeting the Registered Warranholders present in person or by proxy shall form a quorum and may transact the business for which the meeting was originally convened and a resolution proposed at such adjourned meeting and passed by the requisite vote as provided in Section 7.11(1) shall be an Extraordinary Resolution within the meaning of this Indenture notwithstanding that Registered Warranholders entitled to acquire at least 25% of the aggregate number of Common Shares which may be acquired pursuant to all the then outstanding Warrants are not present in person or by proxy at such adjourned meeting.

- (3) Subject to Section 7.14, votes on an Extraordinary Resolution shall always be given on a poll and no demand for a poll on an Extraordinary Resolution shall be necessary.

Section 7.12 Powers Cumulative.

Any one or more of the powers or any combination of the powers in this Indenture stated to be exercisable by the Registered Warranholders by Extraordinary Resolution or otherwise may be exercised from time to time and the exercise of any one or more of such powers or any combination of powers from time to time shall not be deemed to exhaust the right of the Registered Warranholders to exercise such power or powers or combination of powers then or thereafter from time to time.

Section 7.13 Minutes.

Minutes of all resolutions and proceedings at every meeting of Registered Warranholders shall be made and duly entered in books to be provided from time to time for that purpose by the Warrant Agent at the expense of the Corporation, and any such minutes as aforesaid, if signed by the chairman or the secretary of the meeting at which such resolutions were passed or proceedings had shall be prima facie evidence of the matters therein stated and, until the contrary is proved, every such meeting in respect of the proceedings of which minutes shall have been made shall be deemed to have been duly convened and held, and all resolutions passed thereat or proceedings taken shall be deemed to have been duly passed and taken.

Section 7.14 Instruments in Writing.

All actions which may be taken and all powers that may be exercised by the Registered Warranholders at a meeting held as provided in this Article 7 may also be taken and exercised by Registered Warranholders holding not less than 66 2/3% of the aggregate number of all of the then outstanding Warrants by an instrument in writing signed in one or more counterparts by such Registered Warranholders in person or by attorney duly appointed in writing, and the expression “**Extraordinary Resolution**” when used in this Indenture shall include an instrument so signed.

Section 7.15 Binding Effect of Resolutions.

Every resolution and every Extraordinary Resolution passed in accordance with the provisions of this Article 7 at a meeting of Registered Warranholders shall be binding upon all the Warranholders, whether present at or absent from such meeting, and every instrument in writing signed by Registered Warranholders in accordance with Section 7.14 shall be binding upon all the Warranholders, whether signatories thereto or not, and each and every Warranholder and the Warrant Agent (subject to the provisions for indemnity herein contained) shall be bound to give effect accordingly to every such resolution and instrument in writing.

Section 7.16 Holdings by Corporation Disregarded.

In determining whether Registered Warrantheolders holding Warrants evidencing the entitlement to acquire the required number of Common Shares are present at a meeting of Registered Warrantheolders for the purpose of determining a quorum or have concurred in any consent, waiver, Extraordinary Resolution, Warrantheolders' Request or other action under this Indenture, Warrants owned legally or beneficially by the Corporation shall be disregarded in accordance with the provisions of Section 10.7.

ARTICLE 8 SUPPLEMENTAL INDENTURES

Section 8.1 Provision for Supplemental Indentures for Certain Purposes.

From time to time, the Corporation (when authorized by action of the directors) and the Warrant Agent may, subject to the provisions hereof and they shall, when so directed in accordance with the provisions hereof, execute and deliver by their proper officers, indentures or instruments supplemental hereto, which thereafter shall form part hereof, for any one or more or all of the following purposes:

- (a) setting forth any adjustments resulting from the application of the provisions of Article 4;
- (b) adding to the provisions hereof such additional covenants and enforcement provisions as, in the opinion of Counsel, are necessary or advisable in the premises, provided that the same are not in the opinion of the Warrant Agent, relying on the advice of Counsel, prejudicial to the interests of the Registered Warrantheolders;
- (c) giving effect to any Extraordinary Resolution passed as provided in Section 7.11;
- (d) making such provisions not inconsistent with this Indenture as may be necessary or desirable with respect to matters or questions arising hereunder or for the purpose of obtaining a listing or quotation of the Warrants on any stock exchange, provided that such provisions are not, in the opinion of the Warrant Agent, relying on the advice of Counsel, prejudicial to the interests of the Registered Warrantheolders;
- (e) adding to or altering the provisions hereof in respect of the transfer of Warrants, making provision for the exchange of Warrants, and making any modification in the form of the Warrant Certificates which does not affect the substance thereof;
- (f) modifying any of the provisions of this Indenture, including relieving the Corporation from any of the obligations, conditions or restrictions herein contained, provided that such modification or relief shall be or become operative or effective only if, in the opinion of the Warrant Agent, relying on the advice of Counsel, such modification or relief in no way prejudices any of the rights of the Registered Warrantheolders or of the Warrant Agent, and provided further that the Warrant Agent may in its sole discretion decline to enter into any such supplemental indenture which in its opinion may not afford adequate protection to the Warrant Agent when the same shall become operative;
- (g) providing for the issuance of additional Warrants hereunder, including Warrants in excess of the number set out in Section 2.1 and any consequential amendments hereto as may be required by the Warrant Agent relying on the advice of Counsel; and
- (h) for any other purpose not inconsistent with the terms of this Indenture, including the correction or rectification of any ambiguities, defective or inconsistent provisions, errors, mistakes or omissions

herein, provided that in the opinion of the Warrant Agent, relying on the advice of Counsel, the rights of the Warrant Agent and of the Registered Warrantholders are in no way prejudiced thereby

Section 8.2 Successor Entities.

In the case of the consolidation, amalgamation, arrangement, merger or transfer of the undertaking or assets of the Corporation as an entirety or substantially as an entirety to or with another entity (“**successor entity**”), the successor entity resulting from such consolidation, amalgamation, arrangement, merger or transfer (if not the Corporation) shall expressly assume, by supplemental indenture satisfactory in form to the Warrant Agent and executed and delivered to the Warrant Agent, the due and punctual performance and observance of each and every covenant and condition of this Indenture to be performed and observed by the Corporation.

ARTICLE 9 CONCERNING THE WARRANT AGENT

Section 9.1 Trust Indenture Legislation.

- (1) If and to the extent that any provision of this Indenture limits, qualifies or conflicts with a mandatory requirement of Applicable Legislation, such mandatory requirement shall prevail.
- (2) The Corporation and the Warrant Agent agree that each will, at all times in relation to this Indenture and any action to be taken hereunder, observe and comply with and be entitled to the benefits of Applicable Legislation.

Section 9.2 Rights and Duties of Warrant Agent.

- (1) In the exercise of the rights and duties prescribed or conferred by the terms of this Indenture, the Warrant Agent shall exercise that degree of care, diligence and skill that a reasonably prudent warrant agent would exercise in comparable circumstances. No provision of this Indenture shall be construed to relieve the Warrant Agent from liability for its own gross negligent action, wilful misconduct, bad faith or fraud under this Indenture.
- (2) The obligation of the Warrant Agent to commence or continue any act, action or proceeding for the purpose of enforcing any rights of the Warrant Agent or the Registered Warrantholders hereunder shall be conditional upon the Registered Warrantholders furnishing, when required by notice by the Warrant Agent, notice specifying the act, action or proceeding which the Warrant Agent is required to take, sufficient funds to commence or to continue such act, action or proceeding and an indemnity reasonably satisfactory to the Warrant Agent to protect and to hold harmless the Warrant Agent and its officers, directors, employees and agents, against the costs, charges and expenses and liabilities to be incurred thereby and any loss and damage it may suffer by reason thereof. None of the provisions contained in this Indenture shall require the Warrant Agent to expend or to risk its own funds or otherwise to incur liability, financial or otherwise, in the performance of any of its duties or in the exercise of any of its rights or powers unless indemnified and funded as aforesaid.
- (3) The Warrant Agent may, before commencing or at any time during the continuance of any such act, action or proceeding, require the Registered Warrantholders, at whose instance it is acting to deposit with the Warrant Agent the Warrants Certificates held by them, for which Warrants the Warrant Agent shall issue receipts.

- (4) Every provision of this Indenture that by its terms relieves the Warrant Agent of liability or entitles it to rely upon any evidence submitted to it is subject to the provisions of Applicable Legislation.
- (5) The Warrant Agent is not bound to make any inquiry or investigation as to the performance by the Corporation of the Corporation's covenants hereunder. The Warrant Agent shall be under no responsibility in respect of the validity of this Indenture or the execution and delivery hereof by or on behalf of the Corporation or in respect of the validity or the execution of any Warrant Certificate by the Corporation and issued hereunder, nor shall it be responsible for any breach by the Corporation of any covenant or condition contained in this Indenture or in any such Warrant Certificate; nor shall it by any act hereunder be deemed to make any representation or warranty as to the authorization or reservation of any securities to be issued upon the right to acquire provided for in this Indenture and/or in any Warrant or as to whether any securities will when issued be duly authorized or be validly issued and fully paid and non-assessable.

Section 9.3 Evidence, Experts and Advisers.

- (1) If, in the administration of the trusts of this Indenture, the Warrant Agent deems it necessary or desirable that any matter be proved or established by the Corporation, prior to taking or suffering any action hereunder, the Warrant Agent may accept, act, and rely upon, and shall be protected in accepting, acting, and relying upon, a certificate of the Corporation as conclusive evidence of the truth of any fact relating to the Corporation or its assets therein stated and proof of the regularity of any proceedings or actions associated therewith, but the Warrant Agent may in its discretion require further evidence or information before acting or relying on any such certificate. In addition to the reports, certificates, opinions, and other evidence required by this Indenture, the Corporation shall furnish to the Warrant Agent such additional evidence of compliance with any provision hereof, and in such form as may be prescribed by Applicable Legislation or as the Warrant Agent may reasonably require by written notice to the Corporation. Whenever Applicable Legislation requires that evidence referred to in this Section be in the form of a statutory declaration, the Warrant Agent may accept such statutory declaration in lieu of a certificate of the Corporation required by any provision hereof. Any such statutory declaration may be made by any one or more of the Chair of the Board and Chief Executive Officer, President or Chief Financial Officer of the Corporation or by any other officer or director of the Corporation to whom such authority is delegated by the directors from time to time.
- (2) In the exercise of its rights and duties hereunder, the Warrant Agent may, if it is acting in good faith, act and rely, and shall be protected in so acting and relying, as to the truth of the statements and the accuracy of the opinions expressed in statutory declarations, opinions, reports, written requests, consents, or orders of the Corporation, certificates of the Corporation or other evidence furnished to the Warrant Agent pursuant to any provision hereof or of Applicable Legislation or pursuant to a request of the Warrant Agent, provided that such evidence complies with Applicable Legislation and that the Warrant Agent complies with Applicable Legislation and that the Warrant Agent examines the same and determines that such evidence complies with the applicable requirements of this Indenture. The Warrant Agent may nevertheless, in its discretion, require further proof in cases where it deems further proof desirable.
- (3) Whenever it is provided in this Indenture or under Applicable Legislation that the Corporation shall deposit with the Warrant Agent resolutions, certificates, reports, opinions, requests, orders or other documents, it is intended that the truth, accuracy and good faith on the effective date thereof and the facts and opinions stated in all such documents so deposited shall, in each and every such

case, be conditions precedent to the right of the Corporation to have the Warrant Agent take the action to be based thereon.

- (4) The Warrant Agent may act and rely and shall be protected in acting and relying upon any resolution, certificate, statement, instrument, opinion, report, notice, request, consent, order, letter, or other paper document, including as may be received in facsimile or e-mail form, believed by it to be genuine and to have been signed, sent or presented by or on behalf of the proper party or parties. The Warrant Agent shall be protected in acting and relying upon any resolution, certificate, statement, instrument, opinion, report, notice, request, consent, order, letter or other paper document.
- (5) The Warrant Agent may, at the Corporation's expense, employ or retain such Counsel, accountants, appraisers or other experts or advisers as it may reasonably require for the purpose of determining and discharging its rights and duties hereunder and may pay reasonable remuneration for all services so performed by any of them, without taxation of costs of any Counsel, and shall not be responsible for any misconduct or negligence on the part of any such experts or advisers who have been appointed with due care by the Warrant Agent. The Corporation shall reimburse the Warrant Agent for all disbursements, costs and expenses made or incurred by the Warrant Agent in the discharge of its duties and in the management of the agency hereunder.
- (6) The Warrant Agent may act and rely and shall be protected in acting and relying in good faith on the opinion or advice of or information obtained from any Counsel, accountant, appraiser, engineer or other expert or adviser, whether retained or employed by the Corporation or by the Warrant Agent, in relation to any matter arising in the administration of the agency hereof. The Warrant Agent shall not incur any liability for the acts or omissions of such Counsel, accountant, appraiser, engineer or other expert or adviser retained by the Warrant Agent in good faith.

Section 9.4 Documents, Monies, etc. Held by Warrant Agent.

- (1) Any monies, securities, documents of title or other instruments that may at any time be held by the Warrant Agent shall be placed in the deposit vaults of the Warrant Agent or of any Canadian chartered bank listed in Schedule I of the *Bank Act* (Canada), or deposited for safekeeping with any such bank. The delivery of the funds to the Warrant Agent shall not give rise to a debtor-creditor or other similar relationship. The parties hereto acknowledge and agree that the Warrant Agent will have acted prudently in depositing the funds at any Canadian chartered bank listed in Schedule I of the *Bank Act* (Canada), and that the Warrant Agent is not required to make any further inquiries in respect of any such bank. Any written direction for release of funds received shall be received by the Warrant Agent by 3:00 p.m. (Eastern time) on the Business Day prior to the Business Day on which such release is to be made, failing which such direction will be handled on a commercially reasonable efforts basis and may result in funds being released on the next Business Day. The amounts held by the Warrant Agent pursuant to this Indenture are at the sole risk of the Corporation and, without limiting the generality of the foregoing, the Warrant Agent shall have no responsibility or liability for any diminution of any funds resulting from any investment made in accordance with this Indenture, including any losses on any investment liquidated prior to maturity in order to make a payment required hereunder or any losses resulting from a default by the Canadian chartered bank listed in Schedule I of the *Bank Act* (Canada) or other credit losses (whether or not resulting from such a default).
- (2) The Warrant Agent may hold cash balances constituting part or all of such monies and may, but need not, invest same in the deposit department of a Canadian chartered bank; but the Warrant

Agent, its affiliates or a Canadian chartered bank shall not be liable to account for any profit to any parties to this Indenture or to any other person or entity.

Section 9.5 Actions by Warrant Agent to Protect Interest.

The Warrant Agent shall have power to institute and to maintain such actions and proceedings as it may consider necessary or expedient to preserve, protect or enforce its interests and the interests of the Registered Warrantholders.

Section 9.6 Warrant Agent Not Required to Give Security.

The Warrant Agent shall not be required to give any bond or security in respect of the execution of the agency and powers of this Indenture or otherwise in respect of the premises.

Section 9.7 Protection of Warrant Agent.

By way of supplement to the provisions of any law for the time being relating to the Warrant Agent it is expressly declared and agreed as follows:

- (a) the Warrant Agent shall not be liable for or by reason of any statements of fact or recitals in this Indenture or in the Warrant Certificates (except the representation contained in Section 9.9 or in the Authentication of the Warrant Agent on the Warrant Certificates) or be required to verify the same, but all such statements or recitals are and shall be deemed to be made by the Corporation;
- (b) the Warrant Agent shall retain the right not to act and shall not be liable for refusing to act if, due to a lack of information, instructions or for any other reason whatsoever, the Warrant Agent, in its sole judgment, acting reasonably, determines that such act is conflicting with or contrary to the terms of this Indenture or the law or regulation of any jurisdiction or any order or directive of any court, governmental agency or other regulatory body;
- (c) nothing herein contained shall impose any obligation on the Warrant Agent to see to or to require evidence of the registration or filing (or renewal thereof) of this Indenture or any instrument ancillary or supplemental hereto;
- (d) the Warrant Agent shall not be bound to give notice to any person or persons of the execution hereof;
- (e) the Warrant Agent shall not incur any liability or responsibility whatever or be in any way responsible for the consequence of any breach on the part of the Corporation of any of its covenants herein contained or of any acts of any directors, officers, employees, agents or servants of the Corporation;
- (f) the Warrant Agent is in no way responsible for the use by the Corporation of the proceeds of the issue hereunder;
- (g) the Warrant Agent shall not be liable for any action it takes or omits to take in good faith that it believes to be authorized or within the rights or powers conferred upon it by this Indenture;
- (h) without limiting any protection or indemnity of the Warrant Agent under any other provision hereof, or otherwise at law, the Corporation hereby indemnifies and agrees to hold harmless the Warrant Agent, its affiliates, their officers, directors, employees, agents, successors and assigns

(collectively, the “**Indemnified Parties**”) from and against any and all liabilities whatsoever, losses, damages, penalties, claims, demands, actions, suits, proceedings, costs, charges, assessments, judgments, expenses and disbursements, including reasonable legal fees and disbursements of whatever kind and nature which may at any time be imposed on or incurred by or asserted against the Indemnified Parties, or any of them, whether at law or in equity, in any way caused by or arising, directly or indirectly, in respect of any act, deed, matter or thing whatsoever made, done, acquiesced in or omitted in or about or in relation to the execution of the Indemnified Parties’ duties, or any other services that Warrant Agent may provide in connection with or in any way relating to this Indenture. The Corporation agrees that its liability hereunder shall be absolute and unconditional regardless of the correctness of any representations of any third parties and regardless of any liability of third parties to the Indemnified Parties, and shall accrue and become enforceable without prior demand or any other precedent action or proceeding; provided that, notwithstanding any other provision of this Indenture, the Corporation shall not be required to hold harmless or indemnify the Indemnified Parties in the event of the gross negligence, bad faith, wilful misconduct or fraud of the Warrant Agent, and this provision shall survive the resignation or removal of the Warrant Agent or the termination or discharge of this Indenture;

- (i) notwithstanding the foregoing or any other provision of this Indenture, any liability of the Warrant Agent shall be limited, in the aggregate, to the amount of annual retainer fees paid by the Corporation to the Warrant Agent under this Indenture in the twelve (12) months immediately prior to the Warrant Agent receiving the first notice of the claim. Notwithstanding any other provision of this Indenture, and whether such losses or damages are foreseeable or unforeseeable, the Warrant Agent shall not be liable under any circumstances whatsoever for any (a) breach by any other party of securities law or other rule of any securities regulatory authority, (b) lost profits or (c) special, indirect, incidental, consequential, exemplary, aggravated or punitive losses or damages. This provision shall survive the resignation or removal of the Warrant Agent or the termination or discharge of this Indenture;
- (j) the Warrant Agent shall not be under any obligation to prosecute or to defend any action or suit in respect of the relationship which, in the opinion of Counsel, may involve it in expense or liability, unless the Corporation shall, so often as required, furnish the Warrant Agent with satisfactory indemnity and funding against such expense or liability; and
- (k) if any of the funds provided to the Warrant Agent hereunder are received by it in the form of an uncertified cheque or bank draft, the Warrant Agent shall delay the release of such funds and the related Common Shares until such uncertified cheque has cleared the financial institution upon which the same is drawn.

Section 9.8 Replacement of Warrant Agent; Successor by Merger.

- (1) The Warrant Agent may resign its agency and be discharged from all further duties and liabilities hereunder, subject to this Section 9.8, by giving to the Corporation not less than 60 days’ prior notice in writing or such shorter prior notice as the Corporation may accept as sufficient. The Registered Warranholders by Extraordinary Resolution shall have power at any time to remove the existing Warrant Agent and to appoint a new warrant agent. In the event of the Warrant Agent resigning or being removed as aforesaid or being dissolved, becoming bankrupt, going into liquidation or otherwise becoming incapable of acting hereunder, the Corporation shall forthwith appoint a new warrant agent unless a new warrant agent has already been appointed by the Registered Warranholders; failing such appointment by the Corporation, the retiring Warrant Agent (at the expense of the Corporation) or any Registered Warranholder may apply to a judge of the Province of Ontario on such notice as such judge may direct, for the appointment of a new

warrant agent; but any new warrant agent so appointed by the Corporation or by the Court shall be subject to removal as aforesaid by the Registered Warrantholders. Any new warrant agent appointed under any provision of this Section 9.8 shall be an entity authorized to carry on the business of a trust company in the Province of Ontario and, if required by the Applicable Legislation for any other provinces, in such other provinces. On any such appointment the new warrant agent shall be vested with the same powers, rights, duties and responsibilities as if it had been originally named herein as Warrant Agent hereunder. At the request of the Corporation, the predecessor Warrant Agent, upon payment of its outstanding remuneration and expenses, shall execute and deliver to the successor warrant agent an appropriate instrument transferring to such successor warrant agent all rights and powers of the Warrant Agent hereunder and all securities, documents of title and other instruments and all monies and properties held by the Warrant Agent hereunder.

- (2) Upon the appointment of a successor warrant agent, the Corporation shall promptly notify the Registered Warrantholders thereof in the manner provided for in Section 10.2.
- (3) Any Warrant Certificates Authenticated but not delivered by a predecessor Warrant Agent may be Authenticated by the successor Warrant Agent in the name of the successor Warrant Agent.
- (4) Any corporation into which the Warrant Agent may be merged or consolidated or amalgamated, or any corporation resulting therefrom to which the Warrant Agent shall be a party, or any corporation succeeding to substantially the corporate trust business of the Warrant Agent shall be the successor to the Warrant Agent hereunder without any further act on its part or any of the parties hereto, provided that such corporation would be eligible for appointment as successor Warrant Agent under Section 9.8(1).

Section 9.9 Acceptance of Agency

The Warrant Agent hereby accepts the agency in this Indenture declared and provided for and agrees to perform the same upon the terms and conditions herein set forth. No trust is intended to be, or is or will be, created hereby and the Warrant Agent shall owe no duties hereunder as trustee.

Section 9.10 Warrant Agent Not to be Appointed Receiver.

The Warrant Agent and any person related to the Warrant Agent shall not be appointed a receiver, a receiver and manager or liquidator of all or any part of the assets or undertaking of the Corporation.

Section 9.11 Warrant Agent Not Required to Give Notice of Default.

The Warrant Agent shall not be bound to give any notice or do or take any act, action or proceeding by virtue of the powers conferred on it hereby unless and until it shall have been required so to do under the terms hereof; nor shall the Warrant Agent be required to take notice of any default hereunder, unless and until notified in writing of such default, which notice shall distinctly specify the default desired to be brought to the attention of the Warrant Agent and in the absence of any such notice the Warrant Agent may for all purposes of this Indenture conclusively assume that no default has been made in the observance or performance of any of the representations, warranties, covenants, agreements or conditions contained herein. Any such notice shall in no way limit any discretion herein given to the Warrant Agent to determine whether or not the Warrant Agent shall take action with respect to any default. Proof of execution of any document or instrument in writing by a holder may be made by the certificate of a notary public, or other officer with similar powers, that the person signing such instrument acknowledged to him the execution thereof, or by an affidavit of a witness to such execution, or in any other manner the Warrant Agent

considers adequate and in respect of a corporate holder, shall include a certificate of incumbency of such corporate holder together with a certified resolution authorizing the person who signs such instrument to sign such instrument. The Warrant Agent shall not be bound to give notice to any person of execution hereof.

Section 9.12 Anti-Money Laundering.

- (1) Each party to this Agreement other than the Warrant Agent hereby represents to the Warrant Agent that any account to be opened by, or interest to be held by the Warrant Agent in connection with this Agreement, for or to the credit of such party, either (i) is not intended to be used by or on behalf of any third party; or (ii) is intended to be used by or on behalf of a third party, in which case such party hereto agrees to complete and execute forthwith a declaration in the Warrant Agent's prescribed form as to the particulars of such third party.
- (2) The Warrant Agent shall retain the right not to act and shall not be liable for refusing to act if, due to a lack of information or for any other reason whatsoever, the Warrant Agent, in its sole judgment, determines that such act might cause it to be in non-compliance with any applicable anti-money laundering, anti-terrorist or sanctions legislation, regulation or guideline. Further, should the Warrant Agent, in its sole judgment, determine at any time that its acting under this Indenture has resulted in its being in non-compliance with any applicable anti-money laundering, anti-terrorist or sanctions legislation, regulation or guideline, then it shall have the right to resign on ten (10) days written notice to the other parties to this Indenture, provided (i) that the Warrant Agent's written notice shall describe the circumstances of such non-compliance to the extent permitted by applicable anti-money laundering, anti-terrorist or sanctions legislation, regulation or guideline; and (ii) that if such circumstances are rectified to the Warrant Agent's satisfaction within such ten (10) day period, then such resignation shall not be effective.

Section 9.13 Compliance with Privacy Code.

The parties acknowledge that the Warrant Agent may, in the course of providing services hereunder, collect or receive financial and other personal information about such parties and/or their representatives, as individuals, or about other individuals related to the subject matter hereof, and use such information for the following purposes:

- (a) to provide the services required under this Indenture and other services that may be requested from time to time;
- (b) to help the Warrant Agent manage its servicing relationships with such individuals;
- (c) to meet the Warrant Agent's legal and regulatory requirements; and
- (d) if Social Insurance Numbers are collected by the Warrant Agent, to perform tax reporting and to assist in verification of an individual's identity for security purposes.

Each party acknowledges and agrees that the Warrant Agent may receive, collect, use and disclose personal information provided to it or acquired by it in the course of its acting under this Indenture for the purposes described above and, generally, in the manner and on the terms described in its Privacy Code, which the Warrant Agent shall make available on its website, <https://www.astfinancial.com/ca-en> or upon request, including revisions thereto. The Warrant Agent may transfer personal information to other companies in or outside of Canada that provide data processing and storage or other support in order to facilitate the services it provides.

Further, each party agrees that it shall not provide or cause to be provided to the Warrant Agent any personal information relating to an individual who is not a party to this Indenture unless that party has assured itself that such individual understands and has consented to the aforementioned uses and disclosures.

Section 9.14 Securities Exchange Commission Certification.

The Corporation confirms that as at the date hereof it does not have a class of securities registered pursuant to Section 12 of the U.S. Exchange Act or a reporting obligation pursuant to Section 15(d) of the U.S. Exchange Act.

The Corporation covenants that in the event that (i) any class of its securities shall become registered pursuant to Section 12 of the U.S. Exchange Act, (ii) the Corporation shall incur a reporting obligation pursuant to Section 15(d) of the U.S. Exchange Act, or (iii) any such registration or reporting obligation shall be terminated by the Corporation in accordance with the U.S. Exchange Act, the Corporation shall promptly deliver to the Warrant Agent an officer's certificate (in a form provided by the Warrant Agent) notifying the Warrant Agent of such registration, reporting obligation or termination, and such other information as the Warrant Agent may reasonably require at the time. The Corporation acknowledges that the Warrant Agent is relying upon the foregoing representation and covenants in order to meet certain obligations of the Warrant Agent with respect to those clients of the Warrant Agent that are required to file reports with the SEC under the U.S. Exchange Act.

ARTICLE 10 GENERAL

Section 10.1 Notice to the Corporation and the Warrant Agent.

(1) Unless herein otherwise expressly provided, any notice to be given hereunder to the Corporation or the Warrant Agent shall be deemed to be validly given if delivered, sent by registered letter, postage prepaid or if faxed or emailed:

(a) If to the Corporation:

265 Watline Avenue
Mississauga, ON
L4Z 1B3

Email: jim.currie@microbix.com
Attention: Jim Currie, CFO

(b) If to the Warrant Agent:

AST Trust Company (Canada)
1 Toronto Street, Suite 1200
Toronto, Ontario
M5C 2V6

Email: hkim@astfinancial.com / stasche@astfinancial.com
Attention: Relationship Manager

and any such notice delivered in accordance with the foregoing shall be deemed to have been received and given on the date of delivery or, if mailed, on the fifth Business Day following the date of mailing such notice or, if faxed or emailed, on the next Business Day following the date of transmission.

- (2) The Corporation or the Warrant Agent, as the case may be, may from time to time notify the other in the manner provided in Section 10.1(1) of a change of address which, from the effective date of such notice and until changed by like notice, shall be the address of the Corporation or the Warrant Agent, as the case may be, for all purposes of this Indenture.
- (3) If, by reason of a strike, lockout or other work stoppage, actual or threatened, involving postal employees, any notice to be given to the Warrant Agent or to the Corporation hereunder could reasonably be considered unlikely to reach its destination, such notice shall be valid and effective only if it is delivered to the named officer of the party to which it is addressed, as provided in Section 10.1(1), or given by facsimile or other means of prepaid, transmitted and recorded communication.

Section 10.2 Notice to Registered Warranholders.

- (1) Unless otherwise provided herein, notice to the Registered Warranholders under the provisions of this Indenture shall be valid and effective if delivered or sent by ordinary prepaid post addressed to such holders at their post office addresses appearing on the register hereinbefore mentioned and shall be deemed to have been effectively received and given on the date of delivery or, if mailed, on the third Business Day following the date of mailing such notice. In the event that Warrants are held in the name of the Depository, a copy of such notice shall also be sent by electronic communication to the Depository and shall be deemed received and given on the day it is so sent.
- (2) If, by reason of a strike, lockout or other work stoppage, actual or threatened, involving postal employees, any notice to be given to the Registered Warranholders hereunder could reasonably be considered unlikely to reach its destination, such notice shall be valid and effective only if it is delivered to such Registered Warranholders to the address for such Registered Warranholders contained in the register maintained by the Warrant Agent or such notice may be given, at the Corporation's expense, by means of publication in the Globe and Mail, National Edition, or any other English language daily newspaper or newspapers of general circulation in Canada, in each two successive weeks, the first such notice to be published within 5 business days of such event, and any so notice published shall be deemed to have been received and given on the latest date the publication takes place.

Section 10.3 Ownership of Warrants.

The Corporation and the Warrant Agent may deem and treat the Registered Warranholders as the absolute owner thereof for all purposes, and the Corporation and the Warrant Agent shall not be affected by any notice or knowledge to the contrary except where the Corporation or the Warrant Agent is required to take notice by statute or by order of a court of competent jurisdiction. The receipt of any such Registered Warranholder of the Common Shares which may be acquired pursuant thereto shall be a good discharge to the Corporation and the Warrant Agent for the same and neither the Corporation nor the Warrant Agent shall be bound to inquire into the title of any such holder except where the Corporation or the Warrant Agent is required to take notice by statute or by order of a court of competent jurisdiction.

Section 10.4 Counterparts and Electronic Means.

This Indenture may be executed in facsimile or electronic PDF format and in several counterparts, each of which when so executed shall be deemed to be an original and such counterparts together shall constitute one and the same instrument and notwithstanding their date of execution they shall be deemed to be dated as of the date hereof. Delivery of an executed copy of this Indenture by electronic facsimile transmission or other means of electronic communication capable of producing a printed copy will be deemed to be execution and delivery of this Indenture as of the date hereof.

Section 10.5 Satisfaction and Discharge of Indenture.

Upon the earlier of:

(a) the date by which there shall have been delivered to the Warrant Agent for exercise or cancellation all Warrants theretofore Authenticated hereunder, in the case of Certificated Warrants (or such other instructions, in a form satisfactory to the Warrant Agent), in the case of Uncertificated Warrants, or by way of standard processing through the book entry only system in the case of a CDS Global Warrant; and

(b) the Expiry Time;

and if all certificates or other entry on the register representing Common Shares required to be issued in compliance with the provisions hereof have been issued and delivered hereunder or to the Warrant Agent in accordance with such provisions, this Indenture shall cease to be of further effect and the Warrant Agent, on demand of and at the cost and expense of the Corporation and upon delivery to the Warrant Agent of a certificate of the Corporation stating that all conditions precedent to the satisfaction and discharge of this Indenture have been complied with, shall execute proper instruments acknowledging satisfaction of and discharging this Indenture. Notwithstanding the foregoing, the indemnities provided to the Warrant Agent by the Corporation hereunder shall remain in full force and effect and survive the termination of this Indenture.

Section 10.6 Provisions of Indenture and Warrants for the Sole Benefit of Parties and Registered Warrantholders.

Nothing in this Indenture or in the Warrants, expressed or implied, shall give or be construed to give to any person other than the parties hereto and the Registered Warrantholders, as the case may be, any legal or equitable right, remedy or claim under this Indenture, or under any covenant or provision herein or therein contained, all such covenants and provisions being for the sole benefit of the parties hereto and the Registered Warrantholders.

Section 10.7 Common Shares or Warrants Owned by the Corporation or its Subsidiaries - Certificate to be Provided.

For the purpose of disregarding any Warrants owned legally or beneficially by the Corporation in Section 7.16, the Corporation shall provide to the Warrant Agent, from time to time, a certificate of the Corporation setting forth as at the date of such certificate:

(a) the names (other than the name of the Corporation) of the Registered Warrantholders which, to the knowledge of the Corporation, are owned by or held for the account of the Corporation; and

(b) the number of Warrants owned legally or beneficially by the Corporation;

and the Warrant Agent, in making the computations in Section 7.16, shall be entitled to rely on such certificate without any additional evidence.

Section 10.8 Severability

If, in any jurisdiction, any provision of this Indenture or its application to any party or circumstance is restricted, prohibited or unenforceable, such provision will, as to such jurisdiction, be ineffective only to the extent of such restriction, prohibition or unenforceability without invalidating the remaining provisions of this Indenture, without affecting the validity or enforceability of such provision in any other jurisdiction and without affecting its application to other parties or circumstances.

Section 10.9 Force Majeure

No party shall be liable to the other, or held in breach of this Indenture, if prevented, hindered, or delayed in the performance or observance of any provision contained herein by reason of act of God, riots, terrorism, acts of war, epidemics, governmental action or judicial order, earthquakes, or any other similar causes (including, but not limited to, mechanical, electronic or communication interruptions, disruptions or failures). Performance times under this Indenture shall be extended for a period of time equivalent to the time lost because of any delay that is excusable under this Section.

Section 10.10 Assignment, Successors and Assigns

Neither of the parties hereto may assign its rights or interest under this Indenture, except as provided in Section 9.8 in the case of the Warrant Agent, or as provided in Section 8.2 in the case of the Corporation. Subject thereto, this Indenture shall enure to the benefit of and be binding upon the parties hereto and their respective successors and permitted assigns.

Section 10.11 Rights of Rescission and Withdrawal for Holders

Should a holder of Warrants exercise any legal, statutory, contractual or other right of withdrawal or rescission that may be available to it, and the holder's funds which were paid on exercise have already been released to the Corporation by the Warrant Agent, the Warrant Agent shall not be responsible for ensuring the exercise is cancelled and a refund is paid back to the holder. In such cases, the holder shall seek a refund directly from the Corporation and subsequently, the Corporation, upon surrender to the Corporation or the Warrant Agent of any underlying shares that may have been issued, or such other procedure as agreed to by the parties hereto, shall instruct the Warrant Agent in writing, to cancel the exercise transaction and any such underlying shares on the register, which may have already been issued upon the Warrant exercise. In the event that any payment is received from the Corporation by virtue of the holder being a shareholder for such Warrants that were subsequently rescinded, such payment must be returned to the Corporation by such holder. The Warrant Agent shall not be under any duty or obligation to take any steps to ensure or enforce that the funds are returned pursuant to this section, nor shall the Warrant Agent be in any other way responsible in the event that any payment is not delivered or received pursuant to this section. Notwithstanding the foregoing, in the event that the Corporation provides the refund to the Warrant Agent for distribution to the holder, the Warrant Agent shall return such funds to the holder as soon as reasonably practicable, and in so doing, the Warrant Agent shall incur no liability with respect to the delivery or non-delivery of any such funds.

IN WITNESS WHEREOF the parties hereto have executed this Indenture under the hands of their proper officers in that behalf as of the date first written above.

MICROBIX BIOSYSTEMS INC.

“*Cameron Groome*”
Per: _____
Name: Cameron Groome
Title: Chief Executive Officer

“*Jim Currie*”
Per: _____
Name: Jim Currie
Title: Chief Financial Officer

AST TRUST COMPANY (CANADA)

“*Suzanne Tasche*”
Per: _____
Name: Suzanne Tasche
Title: Corporate Actions Relationship
Manager

“*Helen Kim*”
Per: _____
Name: Helen Kim
Title: Authorized Signatory

**SCHEDULE “A”
FORM OF WARRANT**

THE WARRANTS EVIDENCED HEREBY ARE EXERCISABLE AT OR BEFORE 5:00 P.M. (EASTERN TIME) ON MAY 19, 2023, AFTER WHICH TIME THE WARRANTS EVIDENCED HEREBY SHALL BE DEEMED TO BE VOID AND OF NO FURTHER FORCE OR EFFECT.

For all Warrants sold outside the United States and registered in the name of the Depository, the also include the following legend:

(INSERT IF BEING ISSUED TO CDS) UNLESS THIS CERTIFICATE IS PRESENTED BY AN AUTHORIZED REPRESENTATIVE OF CDS CLEARING AND DEPOSITORY SERVICES INC. (“CDS”) TO MICOBIX BIOSYSTEMS INC. (THE “ISSUER”) OR ITS AGENT FOR REGISTRATION OF TRANSFER, EXCHANGE OR PAYMENT, AND ANY CERTIFICATE ISSUED IN RESPECT THEREOF IS REGISTERED IN THE NAME OF CDS & CO., OR SUCH OTHER NAME AS IS REQUESTED BY AN AUTHORIZED REPRESENTATIVE OF CDS (AND ANY PAYMENT IS MADE TO CDS & CO. OR TO SUCH OTHER ENTITY AS IS REQUESTED BY AN AUTHORIZED REPRESENTATIVE OF CDS), ANY TRANSFER, PLEDGE OR OTHER USE HEREOF FOR VALUE OR OTHERWISE BY OR TO ANY PERSON IS WRONGFUL SINCE THE REGISTERED HOLDER HEREOF, CDS & CO., HAS A PROPERTY INTEREST IN THE SECURITIES REPRESENTED BY THIS CERTIFICATE HEREIN AND IT IS A VIOLATION OF ITS RIGHTS FOR ANOTHER PERSON TO HOLD, TRANSFER OR DEAL WITH THIS CERTIFICATE.

For Warrants sold in the United States, also include the following legends:

THE SECURITIES REPRESENTED HEREBY AND THE SECURITIES ISSUABLE PURSUANT HERETO HAVE NOT BEEN AND WILL NOT BE REGISTERED UNDER THE UNITED STATES SECURITIES ACT OF 1933, AS AMENDED (THE “U.S. SECURITIES ACT”), OR THE SECURITIES LAWS OF ANY STATE OF THE UNITED STATES. THE HOLDER HEREOF, BY PURCHASING OR OTHERWISE HOLDING SUCH SECURITIES, AGREES FOR THE BENEFIT OF MICOBIX BIOSYSTEMS INC. (THE “CORPORATION”) THAT SUCH SECURITIES MAY BE OFFERED, SOLD, PLEDGED OR OTHERWISE TRANSFERRED, DIRECTLY OR INDIRECTLY, ONLY (A) TO THE CORPORATION; (B) OUTSIDE THE UNITED STATES IN ACCORDANCE WITH RULE 904 OF REGULATION S UNDER THE U.S. SECURITIES ACT AND IN ACCORDANCE WITH ALL LOCAL LAWS AND REGULATIONS; (C) IN ACCORDANCE WITH THE EXEMPTION FROM REGISTRATION UNDER THE U.S. SECURITIES ACT PROVIDED BY (I) RULE 144 OR (II) RULE 144A THEREUNDER, IF AVAILABLE, AND IN EACH CASE IN ACCORDANCE WITH APPLICABLE STATE SECURITIES LAWS; OR (D) IN A TRANSACTION THAT DOES NOT REQUIRE REGISTRATION UNDER THE U.S. SECURITIES ACT AND ANY APPLICABLE STATE SECURITIES LAWS, AND, IN THE CASE OF CLAUSE (C)(I) OR (D), THE SELLER FURNISHES TO THE CORPORATION AN OPINION OF COUNSEL OF RECOGNIZED STANDING IN FORM AND SUBSTANCE SATISFACTORY TO THE CORPORATION TO SUCH EFFECT. THE PRESENCE OF THIS LEGEND MAY IMPAIR THE ABILITY OF THE HOLDER HEREOF TO EFFECT “GOOD DELIVERY” OF THE SECURITIES REPRESENTED HEREBY ON A CANADIAN STOCK EXCHANGE.

THIS WARRANT MAY NOT BE EXERCISED IN THE UNITED STATES OR BY OR FOR THE ACCOUNT OR BENEFIT OF A “U.S. PERSON” OR A PERSON IN THE UNITED STATES UNLESS THE WARRANT AND THE UNDERLYING SECURITIES HAVE BEEN REGISTERED UNDER THE

U.S. SECURITIES ACT AND THE APPLICABLE SECURITIES LEGISLATION OF ANY SUCH STATE, OR AN EXEMPTION FROM SUCH REGISTRATION REQUIREMENTS IS AVAILABLE. “UNITED STATES” AND “U.S. PERSON” ARE AS DEFINED BY REGULATIONS UNDER THE U.S. SECURITIES ACT.

WARRANT

To acquire Common Shares of

MICOBIX BIOSYSTEMS INC.

(incorporated pursuant to the laws of the Province of Ontario)

Warrant Certificate No. ●

Certificate for _____
Warrants, each entitling the holder to acquire one
(1) Common Share (subject to adjustment as
provided for in the Warrant Indenture (as defined
below))

CUSIP: 59501P146

ISIN: CA59501P1466

THIS IS TO CERTIFY THAT, for value received,

(the “**Warrantholder**”) is the registered holder of the number of common share purchase warrants (the “**Warrants**”) of Microbix Biosystems Inc. (the “**Corporation**”) specified above, and is entitled, on exercise of these Warrants upon and subject to the terms and conditions set forth herein and in the Warrant Indenture, to purchase at any time before 5:00 p.m. (Eastern time) (the “**Expiry Time**”) on May 19, 2023 (the “**Expiry Date**”) one fully paid and non-assessable common share without par value in the capital of the Corporation as constituted on the date hereof (a “**Common Share**”) for each Warrant subject to adjustment in accordance with the terms of the Warrant Indenture.

The right to purchase Common Shares may only be exercised by the Warrantholder within the time set forth above by:

- (a) duly completing and executing the exercise form (the “**Exercise Form**”) attached hereto; and
- (b) surrendering this warrant certificate (the “**Warrant Certificate**”), with the Exercise Form to the Warrant Agent at the principal office of the Warrant Agent, at 1 Toronto Street, Suite 1200, Toronto, Ontario M5C 2V6, together with a certified cheque, bank draft or money order in the lawful money of Canada payable to or to the order of the Corporation in an amount equal to the purchase price of the Common Shares so subscribed for.

The surrender of this Warrant Certificate, the duly completed Exercise Form and payment as provided above will be deemed to have been effected only on personal delivery thereof to, or if sent by mail or other means of transmission on actual receipt thereof by, the Warrant Agent at its principal office as set out above.

Subject to adjustment thereof in the events and in the manner set forth in the Warrant Indenture hereinafter referred to, the exercise price payable for each Common Share upon the exercise of Warrants shall be \$0.80 per Common Share (the “**Exercise Price**”).

Certificates for the Common Shares subscribed for will be mailed to the persons specified in the Exercise Form at their respective addresses specified therein or, if so specified in the Exercise Form, delivered to such persons at the office where this Warrant Certificate is surrendered. If fewer Common Shares are purchased than the number that can be purchased pursuant to this Warrant Certificate, the holder hereof will be entitled to receive without charge a new Warrant Certificate in respect of the balance of the Common Shares not so purchased. No fractional Common Shares will be issued upon exercise of any Warrant.

This Warrant Certificate evidences Warrants of the Corporation issued or issuable under the provisions of a warrant indenture (which indenture together with all other instruments supplemental or ancillary thereto is herein referred to as the “**Warrant Indenture**”) dated as of May 19, 2021 between the Corporation and AST Trust Company (Canada), as Warrant Agent, to which Warrant Indenture reference is hereby made for particulars of the rights of the holders of Warrants, the Corporation and the Warrant Agent in respect thereof and the terms and conditions on which the Warrants are issued and held, all to the same effect as if the provisions of the Warrant Indenture were herein set forth, to all of which the holder, by acceptance hereof, assents. The Corporation will furnish to the holder, on request and without charge, a copy of the Warrant Indenture.

On presentation at the principal office of the Warrant Agent as set out above, subject to the provisions of the Warrant Indenture and on compliance with the reasonable requirements of the Warrant Agent, one or more Warrant Certificates may be exchanged for one or more Warrant Certificates entitling the holder thereof to purchase in the aggregate an equal number of Common Shares as are purchasable under the Warrant Certificate(s) so exchanged.

Neither the Warrants nor the Common Shares issuable upon exercise thereof have been or will be registered under the United States Securities Act of 1933, as amended (the “**U.S. Securities Act**”), or any U.S. state securities laws. The Warrants may not be exercised in the United States, or by or on behalf of, or for the account or benefit of, a U.S. person or a person in the United States, unless (i) this Warrant and such Common Shares have been registered under the U.S. Securities Act and the applicable laws of any such state, or (ii) an exemption from such registration requirements is available and the requirements set forth in the Exercise Form have been satisfied. “United States” and “U.S. person” are as defined in Regulation S under the U.S. Securities Act.

The Warrant Indenture contains provisions for the adjustment of the Exercise Price payable for each Common Share upon the exercise of Warrants and the number of Common Shares issuable upon the exercise of Warrants in the events and in the manner set forth therein.

The Warrant Indenture also contains provisions making binding on all holders of Warrants outstanding thereunder resolutions passed at meetings of holders of Warrants held in accordance with the provisions of the Warrant Indenture and instruments in writing signed by Warrantholders of Warrants entitled to purchase a specific majority of the Common Shares that can be purchased pursuant to such Warrants.

Nothing contained in this Warrant Certificate, the Warrant Indenture or elsewhere shall be construed as conferring upon the holder hereof any right or interest whatsoever as a holder of Common Shares or any other right or interest except as herein and in the Warrant Indenture expressly provided. In the event of any discrepancy between anything contained in this Warrant Certificate and the terms and conditions of the Warrant Indenture, the terms and conditions of the Warrant Indenture shall govern.

Warrants may only be transferred in compliance with the conditions of the Warrant Indenture on the register to be kept by the Warrant Agent in Toronto, Ontario, or such other registrar as the Corporation, with the approval of the Warrant Agent, may appoint at such other place or places, if any, as may be designated, upon surrender of this Warrant Certificate to the Warrant Agent or other registrar accompanied by a written instrument of transfer in form and execution satisfactory to the Warrant Agent or other registrar and upon compliance with the conditions prescribed in the Warrant Indenture and with such reasonable requirements as the Warrant Agent or other registrar may prescribe and upon the transfer being duly noted thereon by the Warrant Agent or other registrar. Time is of the essence hereof.

This Warrant Certificate will not be valid for any purpose until it has been countersigned by or on behalf of the Warrant Agent from time to time under the Warrant Indenture.

Any capitalized term in this Warrant Certificate that is not otherwise defined herein, shall have the meaning ascribed thereto in the Warrant Indenture.

The parties hereto have declared that they have required that these presents and all other documents related hereto be in the English language. Les parties aux présentes déclarent qu'elles ont exigé que la présente convention, de même que tous les documents s'y rapportant, soient rédigés en anglais.

IN WITNESS WHEREOF the Corporation has caused this Warrant Certificate to be duly executed as of _____, 20____.

MICROBIX BIOSYSTEMS INC.

By: _____
Authorized Signatory

By: _____
Authorized Signatory

Countersigned and Registered by:

AST TRUST COMPANY (CANADA)

By: _____
Authorized Signatory

FORM OF TRANSFER

To: AST Trust Company (Canada)

FOR VALUE RECEIVED the undersigned hereby sells, assigns and transfers to

_____ (print name and address) the Warrants represented by this Warrants Certificate and hereby irrevocably constitutes and appoints _____ as its attorney with full power of substitution to transfer the said securities on the appropriate register of the Warrant Agent.

In the case of a warrant certificate that contains a U.S. restrictive legend, the undersigned hereby represents, warrants and certifies that (one (only) of the following must be checked):

- (A) the transfer is being made only to the Corporation;
- (B) the transfer is being made outside the United States in accordance with Rule 904 of Regulation S under the U.S. Securities Act, and in compliance with any applicable local securities laws and regulations, and the holder has provided herewith the Declaration for Removal of Legend attached as Schedule "C" to the Warrant Indenture,
- (C) the transfer is being made pursuant to the exemption from the registration requirements of the U.S. Securities Act provided by (i) Rule 144 under the U.S. Securities Act or (ii) Rule 144A under the U.S. Securities Act, and in either case in accordance with applicable state securities laws, or
- (D) the transfer is being made in another transaction that does not require registration under the U.S. Securities Act or any applicable state securities laws.

In the case of a transfer in accordance with (C)(i) or (D) above, the Warrant Agent and the Corporation shall first have received an opinion of counsel of recognized standing in form and substance reasonably satisfactory to the Corporation and the Warrant Agent, to such effect. In the case of a transfer in accordance with (C)(ii) above, the Warrant Agent and the Corporation may request documentation or other evidence to ensure compliance with Rule 144A.

DATED this ____ day of _____, 20____.

SPACE FOR GUARANTEES OF SIGNATURES)

(SEE INSTRUCTIONS BELOW))

Signature of Transferor

Guarantor's Signature/Stamp

Name of Transferor

REASON FOR TRANSFER – For US Citizens or Residents only (where the individual(s) or corporation receiving the securities is a US citizen or resident). Please select only one (see instructions below).

Gift Estate Private Sale Other (or no change in ownership)

Date of Event (Date of gift, death or sale): Value per Warrants on the date of event:

	/		/			
--	---	--	---	--	--	--

\$.	
----	--	--	---	--

CAD OR USD

CERTAIN REQUIREMENTS RELATING TO TRANSFERS – READ CAREFULLY

The signature(s) of the transferor(s) must correspond with the name(s) as written upon the face of this certificate(s), in every particular, without alteration or enlargement, or any change whatsoever. All securityholders or a legally authorized representative must sign this form. The signature(s) on this form must be guaranteed in accordance with the transfer agent’s then current guidelines and requirements at the time of transfer. Notarized or witnessed signatures are not acceptable as guaranteed signatures. As at the time of closing, you may choose one of the following methods (although subject to change in accordance with industry practice and standards):

- **Canada and the USA:** A Medallion Signature Guarantee obtained from a member of an acceptable Medallion Signature Guarantee Program (STAMP, SEMP, NYSE, MSP). Many commercial banks, savings banks, credit unions, and all broker dealers participate in a Medallion Signature Guarantee Program. The Guarantor must affix a stamp bearing the actual words “Medallion Guaranteed”, with the correct prefix covering the face value of the certificate.
- **Canada:** A Signature Guarantee obtained from an authorized officer of the Royal Bank of Canada, Scotia Bank or TD Canada Trust. The Guarantor must affix a stamp bearing the actual words “Signature Guaranteed”, sign and print their full name and alpha numeric signing number. Signature Guarantees are not accepted from Treasury Branches, Credit Unions or Caisse Populaires unless they are members of a Medallion Signature Guarantee Program. For corporate holders, corporate signing resolutions, including certificate of incumbency, are also required to accompany the transfer, unless there is a “Signature & Authority to Sign Guarantee” Stamp affixed to the transfer (as opposed to a “Signature Guaranteed” Stamp) obtained from an authorized officer of the Royal Bank of Canada, Scotia Bank or TD Canada Trust or a Medallion Signature Guarantee with the correct prefix covering the face value of the certificate.
- **Outside North America:** For holders located outside North America, present the certificates(s) and/or document(s) that require a guarantee to a local financial institution that has a corresponding Canadian or American affiliate which is a member of an acceptable Medallion Signature Guarantee Program. The corresponding affiliate will arrange for the signature to be over-guaranteed.

OR

The signature(s) of the transferor(s) must correspond with the name(s) as written upon the face of this certificate(s), in every particular, without alteration or enlargement, or any change whatsoever. The signature(s) on this form must be guaranteed by an authorized officer of Royal Bank of Canada, Scotia Bank or TD Canada Trust whose sample signature(s) are on file with the transfer agent, or by a member of an acceptable Medallion Signature Guarantee Program (STAMP, SEMP, NYSE, MSP). Notarized or witnessed signatures are not

acceptable as guaranteed signatures. The Guarantor must affix a stamp bearing the actual words: “SIGNATURE GUARANTEED”, “MEDALLION GUARANTEED” OR “SIGNATURE & AUTHORITY TO SIGN GUARANTEE”, all in accordance with the transfer agent’s then current guidelines and requirements at the time of transfer. For corporate holders, corporate signing resolutions, including certificate of incumbency, will also be required to accompany the transfer unless there is a “SIGNATURE & AUTHORITY TO SIGN GUARANTEE” Stamp affixed to the Form of Transfer obtained from an authorized officer of the Royal Bank of Canada, Scotia Bank or TD Canada Trust or a “MEDALLION GUARANTEED” Stamp affixed to the Form of Transfer, with the correct prefix covering the face value of the certificate.

REASON FOR TRANSFER – FOR US CITIZENS OR RESIDENTS ONLY

Consistent with US IRS regulations, AST is required to request cost basis information from US securityholders. Please indicate the reason for requesting the transfer as well as the date of event relating to the reason. The event date is not the day in which the transfer is finalized, but rather the date of the event which led to the transfer request (i.e. date of gift, date of death of the securityholder, or the date the private sale took place).

(i) is (1) present in the United States, (2) a U.S. Person, (3) a person exercising for the account or benefit of a U.S. Person or a person in the United States, (4) executing or delivering this exercise form in the United States, or (5) requesting delivery of the underlying Common Shares in the United States, and

(ii) the undersigned holder has an exemption from the registration requirements of the U.S. Securities Act and all applicable state securities laws available for the exercise of the Warrants, and has delivered to the Corporation and the Corporation's transfer agent a written opinion of U.S. counsel of recognized standing, in form and substance reasonably satisfactory to the Corporation, or such other evidence reasonably satisfactory to the Corporation to that effect.

It is understood that the Corporation and the Warrant Agent may require evidence to verify the foregoing representations.

Notes:

1. Certificates representing Common Shares will not be registered or delivered to an address in the United States unless Box B or C above is checked.
2. If Box C above is checked, holders are encouraged to consult with the Corporation and the Warrant Agent in advance to determine that the legal opinion tendered in connection with the exercise will be satisfactory in form and substance to the Corporation and the Warrant Agent.
3. "United States" and "U.S. Person" are as defined in Rule 902 of Regulation S under the U.S. Securities Act.

The undersigned hereby irrevocably directs that the said Common Shares be issued, registered and delivered as follows:

Name(s) in Full and Social Insurance Number(s) (if applicable)	Address(es)	Number of Common Shares
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please print full name in which certificates representing the Common Shares are to be issued. If any Common Shares are to be issued to a person or persons other than the registered holder, the registered holder must pay to the Warrant Agent all eligible transfer taxes or other government charges, if any, and the Form of Transfer must be duly executed.

Once completed and executed, this Exercise Form must be mailed or delivered to AST Trust Company (Canada), c/o General Manager, Corporate Trust.

DATED this _____ day of _____, 20__.

_____)	_____
Witness)	(Signature of Warrantholder, to be the same as appears on the face of this Warrant Certificate)
)	
)	_____
)	Name of Registered Warrantholder

Please check if the certificates representing the Common Shares are to be delivered at the office where this Warrant Certificate is surrendered, failing which such certificates will be mailed to the address set out above. Certificates will be delivered or mailed as soon as practicable after the surrender of this Warrant Certificate to the Warrant Agent.

SCHEDULE "C"
FORM OF DECLARATION FOR REMOVAL OF LEGEND

TO: AST Trust Company (Canada)

as registrar and transfer agent for the Warrants and Common Shares issuable upon exercise of the Warrants of Microbix Biosystems Inc. (the "**Corporation**").

The undersigned (A) acknowledges that the sale of _____ Warrants OR Common Shares (the "**Securities**") of the Corporation, represented by certificate number _____ or held in Direct Registration System (DRS) account number _____, to which this declaration relates is being made in reliance on Rule 904 of Regulation S under the United States Securities Act of 1933, as amended (the "**U.S. Securities Act**"), and (B) certifies that (1) the undersigned is not (a) an "affiliate" of the Corporation (as that term is defined in Rule 405 under the U.S. Securities Act), except solely by virtue of being an officer or director of the Corporation, (b) a "distributor" or (c) an affiliate of a distributor; (2) the offer of such Securities was not made to a person in the United States and either (a) at the time the buy order was originated, the buyer was outside the United States, or the seller and any person acting on its behalf reasonably believed that the buyer was outside the United States, or (b) the transaction was executed on or through the facilities of the Toronto Stock Exchange, the TSX Venture Exchange, the Canadian Securities Exchange or another "designated offshore securities market", and neither the seller nor any person acting on its behalf knows that the transaction has been prearranged with a buyer in the United States; (3) neither the seller nor any affiliate of the seller nor any person acting on their behalf has engaged or will engage in any directed selling efforts in the United States in connection with the offer and sale of such securities; (4) the sale is bona fide and not for the purpose of "washing off" the resale restrictions imposed because the Securities are "restricted securities" (as that term is defined in Rule 144(a)(3) under the U.S. Securities Act); (5) the seller does not intend to replace such securities with fungible unrestricted securities; and (6) the contemplated sale is not a transaction, or part of a series of transactions, which, although in technical compliance with Regulation S under the U.S. Securities Act, is part of a plan or scheme to evade the registration provisions of the U.S. Securities Act. Terms used herein have the meanings given to them by Regulation S under the U.S. Securities Act.

DATED this _____, 20__.

X

Signature of individual (if Seller is an individual)

X

Authorized signatory (if Seller is not an individual)

Name of Seller (please print)

Name of authorized signatory (please print)

Official capacity of authorized signatory (please print)

Affirmation by Seller's Broker-Dealer
(Required for sales pursuant to Section (B)(2)(b) above)

We have read the foregoing representations of our customer, _____ (the "Seller") with regard to the sale, for such Seller's account, of _____ common shares (the "Shares") of the Corporation represented by certificate number _____ or held in Direct Registration System (DRS) account number _____. We have executed sales of the Securities pursuant to Rule 904 of Regulation S under the United States Securities Act of 1933, as amended (the "U.S. Securities Act"), on behalf of the Seller. In that connection, we hereby represent to you as follows:

- (1) no offer to sell Shares was made to a person in the United States;
- (2) the sale of the Shares was executed in, on or through the facilities of the Toronto Stock Exchange, the TSX Venture Exchange, the Canadian Securities Exchange or another designated offshore securities market (as defined in Rule 902(b) of Regulation S under the U.S. Securities Act), and, to the best of our knowledge, the sale was not pre-arranged with a buyer in the United States;
- (3) no "directed selling efforts" were made in the United States by the undersigned, any affiliate of the undersigned, or any person acting on behalf of the undersigned; and
- (4) we have done no more than execute the order or orders to sell the Shares as agent for the Seller and will receive no more than the usual and customary broker's commission that would be received by a person executing such transaction as agent.

For purposes of these representations: "**affiliate**" means a person that directly, or indirectly through one or more intermediaries, controls, or is controlled by, or is under common control with, the undersigned; "**directed selling efforts**" means any activity undertaken for the purpose of, or that could reasonably be expected to have the effect of, conditioning the market in the United States for the Shares (including, but not be limited to, the solicitation of offers to purchase the Shares from persons in the United States); and "**United States**" means the United States of America, its territories or possessions, any State of the United States, and the District of Columbia.

Legal counsel to the Corporation shall be entitled to rely upon the representations, warranties and covenants contained herein to the same extent as if this affirmation had been addressed to them.

Name of Firm

By: _____
Authorized Officer

Dated: _____, 20____.

SCHEDULE “D”
FORM OF U.S. WARRANTHOLDER CERTIFICATION UPON EXERCISE OF WARRANTS

Microbix Biosystems Inc.
265 Watline Avenue
Mississauga, ON
L4Z 1B3V6C 1G8

Attention: Chief Executive Officer

- and to -

AST Trust Company (Canada)

as Warrant Agent

Dear Sirs:

The undersigned is delivering this letter in connection with the purchase of common shares (the “**Common Shares**”) of Microbix Biosystems Inc., a corporation incorporated under the laws of the Province of Ontario (the “**Corporation**”) upon the exercise of warrants of the Corporation (“**Warrants**”), issued under the warrant indenture dated as of May 19, 2021 between the Corporation and AST Trust Company (Canada).

The undersigned hereby represents and warrants to the Corporation that the undersigned, and each beneficial owner (each a “**Beneficial Owner**”), if any, on whose behalf the undersigned is exercising such Warrants, satisfies one or more of the following categories of accredited investor (**please write “W/H” for the undersigned holder, and “B/O” for each beneficial owner, if any, on each line that applies**):

(a) _____ Any bank as defined in Section 3(a)(2) of the U.S. Securities Act of 1933, as amended (the “U.S. Securities Act”) or any savings and loan association or other institution as defined in Section 3(a)(5)(A) of the U.S. Securities Act whether acting in its individual or fiduciary capacity; any broker or dealer registered pursuant to Section 15 of the U.S. Securities Exchange Act of 1934 or any insurance company as defined in Section 2(a)(13) of the U.S. Securities Act; any investment company registered under the U.S. Investment Company Act of 1940 or a business development company as defined in Section 2(a)(48) of that Act; any Small Business Investment Company licensed by the U.S. Small Business Administration under Section 301(c) or (d) of the U.S. Small Business Investment Act of 1958; any plan established and maintained by a state, its political subdivisions, or any agency or instrumentality of a state or its political subdivisions, for the benefit of its employees if such plan has total assets in excess of US\$5,000,000; any employee benefit plan within the meaning of the U.S. Employee Retirement Income Security Act of 1974 if the investment decision is made by a plan fiduciary, as defined in Section 3(21) of such Act, which is either a bank, savings and loan association, insurance company, or registered investment adviser, or if the employee benefit plan has total assets in excess of US\$5,000,000, or, if a self-directed plan, with investment decisions made solely by persons that are “accredited investors,” as such term is defined in Rule 501 of Regulation D of the U.S. Securities Act;

(b) _____ Any private business development company as defined in Section 202(a)(22) of the U.S. Investment Advisers Act of 1940;

(c) _____ Any organization described in Section 501(c)(3) of the U.S. Internal Revenue Code, corporation, Massachusetts or similar business trust, or partnership, not formed for the specific purpose of acquiring the securities offered, with total assets in excess of US\$5,000,000;

(d) _____ Any trust with total assets in excess of US\$5,000,000, not formed for the specific purpose of acquiring the securities offered, whose purchase is directed by a sophisticated person (being defined as a person who has such knowledge and experience in financial and business matters that he or she is capable of evaluating the merits and risks of the prospective investment);

(e) _____ Any director, executive officer or general partner of the Corporation;

(f) _____ A natural person whose individual net worth, or joint net worth with that person's spouse, at the time of his or her purchase exceeds US\$1,000,000 (**note:** for the purposes of calculating net worth: (i) the person's primary residence shall not be included as an asset; (ii) indebtedness that is secured by the person's primary residence, up to the estimated fair market value of the primary residence at the time of the sale and purchase of securities contemplated by the accompanying Warrant exercise form, shall not be included as a liability (except that if the amount of such indebtedness outstanding at the time of the sale and purchase of securities contemplated by the accompanying Warrant exercise form exceeds the amount outstanding 60 days before such time, other than as a result of the acquisition of the primary residence, the amount of such excess shall be included as a liability); and (iii) indebtedness that is secured by the person's primary residence in excess of the estimated fair market value of the primary residence shall be included as a liability);

(g) _____ Any natural person who had an individual income in excess of US\$200,000 in each of the two most recent years or joint income with that person's spouse in excess of US\$300,000 in each of those years, and has a reasonable expectation of reaching the same income level in the current year; or

(h) _____ Any entity in which each of the equity owners meets the requirements of one of the above categories (*if this alternative is checked, you must identify each equity owner and provide statements signed by each demonstrating how each qualifies as an accredited investor*).

The undersigned further represents and warrants to the Corporation that:

1. the undersigned has such knowledge and experience in financial and business matters as to be capable of evaluating the merits and risks of an investment in the Common Shares, and the undersigned is able to bear the economic risk of loss of his or her entire investment;

2. the undersigned is: (i) purchasing the Common Shares for his or her own account or for the account of one or more U.S. Accredited Investors with respect to which the undersigned is exercising sole investment discretion, and not on behalf of any other person; (ii) is purchasing the Common Shares for investment purposes only and not with a view to resale, distribution or other disposition in violation of United States federal or state securities laws; and (iii) in the case of the purchase by the undersigned of the Common Shares as agent or trustee for any other person or persons (each a "**Beneficial Owner**"), the undersigned holder has due and proper authority to act as agent or trustee for and on behalf of each such Beneficial Owner in connection with the transactions contemplated hereby; provided that: (x) if the undersigned holder, or any Beneficial Owner, is a corporation or a partnership, syndicate, trust or other form of unincorporated organization, the undersigned holder or each such Beneficial Owner was not incorporated or created solely, nor is it being used primarily, to permit purchases without a prospectus or registration statement under applicable law; and (y) each Beneficial Owner, if any, is a U.S. Accredited Investor;

3. the undersigned has not exercised the Warrants as a result of any form of general solicitation or general advertising, including advertisements, articles, notices or other communications published in any newspaper, magazine or similar media or broadcast over radio, television, the Internet or other form of telecommunications, or any seminar or meeting whose attendees have been invited by general solicitation or general advertising; and

4. the funds representing the purchase price for the Common Shares which will be advanced by the undersigned to the Corporation will not represent proceeds of crime for the purposes of the United States Uniting and Strengthening America by Providing Appropriate Tools Required to Intercept and Obstruct Terrorism Act (the “**PATRIOT Act**”), and the undersigned acknowledges that the Corporation may in the future be required by law to disclose the undersigned’s name and other information relating to this exercise form and the undersigned’s subscription hereunder, on a confidential basis, pursuant to the PATRIOT Act. No portion of the purchase price to be provided by the undersigned (i) has been or will be derived from or related to any activity that is deemed criminal under the laws of the United States of America, or any other jurisdiction, or (ii) is being tendered on behalf of a person or entity who has not been identified to or by the undersigned, and the undersigned shall promptly notify the Corporation if the undersigned discovers that any of such representations ceases to be true and provide the Corporation with appropriate information in connection therewith.

The undersigned also acknowledges and agrees that:

5. the Corporation has provided to the undersigned the opportunity to ask questions and receive answers concerning the terms and conditions of the offering, and the undersigned has had access to such information concerning the Corporation as he or she has considered necessary or appropriate in connection with his or her investment decision to acquire the Common Shares;

6. if the undersigned decides to offer, sell or otherwise transfer any of the Common Shares, the undersigned must not, and will not, offer, sell or otherwise transfer any of such Common Shares directly or indirectly, unless:

(a) the sale is to the Corporation;

(b) the sale is made outside the United States in a transaction meeting the requirements of Rule 904 of Regulation S under the U.S. Securities Act and in compliance with applicable local laws and regulations;

(c) the sale is made pursuant to the exemption from the registration requirements under the U.S. Securities Act provided by Rule 144 thereunder, if available, and in accordance with any applicable state securities or “blue sky” laws; or

(d) the Common Shares are sold in a transaction that does not require registration under the U.S. Securities Act or any applicable state laws and regulations governing the offer and sale of securities, and it has prior to such sale furnished to the Corporation an opinion of counsel reasonably satisfactory to the Corporation;

7. the Common Shares are “restricted securities” (as defined in Rule 144(a)(3) under the U.S. Securities Act) and that the U.S. Securities Act and the rules of the United States Securities and Exchange Commission provide in substance that the undersigned may dispose of the Common Shares only pursuant to an effective registration statement under the U.S. Securities Act or an exemption or exclusion therefrom;

8. the Corporation has no obligation to register any of the Common Shares or to take any other action so as to permit sales pursuant to the U.S. Securities Act (including Rule 144 thereunder);
9. the certificates representing the Common Shares as well as all certificates issued in exchange for or in substitution of therefor, until such time as is no longer required under the applicable requirements of the U.S. Securities Act and applicable state securities laws, will bear, on the face of such certificate, restrictive legend substantially in the form set forth in section 3.3(3) of the Warrant Indenture; *provided* that if the Common Shares are being sold outside the United States in compliance with the requirements of Rule 904 of Regulation S and the Corporation was a “foreign issuer” (as defined in Rule 902 of Regulation S) at the time of execution and delivery of this exercise form, such restrictive legend may be removed by providing a declaration to the registrar and transfer agent of the Corporation, substantially in the form annexed to the Warrant Indenture as Schedule “C” thereto (or in such other form as the Corporation may prescribe from time to time) and, if requested by the Corporation or transfer agent, an opinion of counsel of recognized standing in form and substance satisfactory to the Corporation to the effect that the transfer is in compliance with Rule 904; and provided, further, that, if any Common Shares are being sold otherwise than in accordance with Regulation S and other than to the Corporation, the legend may be removed by delivery to the registrar and transfer agent and the Corporation of an opinion of counsel, of recognized standing reasonably satisfactory to the Corporation, that such legend is no longer required under applicable requirements of the U.S. Securities Act or state securities laws;
10. the financial statements of the Corporation have been prepared in accordance with International Financial Reporting Standards as issued by the International Accounting Standards Board, which differ in some respects from United States generally accepted accounting principles, and thus may not be comparable to financial statements of United States companies;
11. there may be material tax consequences to the undersigned of an acquisition or disposition of the Common Shares and the Corporation gives no opinion and makes no representation with respect to the tax consequences to the undersigned under United States, state, local or foreign tax law of the undersigned’s acquisition or disposition of such securities; in particular, no determination has been made whether the Corporation will be a “passive foreign investment company” (commonly known as a “PFIC”) within the meaning of Section 1297 of the United States Internal Revenue Code;
12. it consents to the Corporation making a notation on its records or giving instructions to any transfer agent of the Corporation in order to implement the restrictions on transfer set forth and described in this Warrant Exercise Form; and
13. it acknowledges and consents to the fact that the Corporation is collecting personal information (as that term is defined under applicable privacy legislation, including, without limitation, the *Personal Information Protection and Electronic Documents Act* (Canada) and any other applicable similar, replacement or supplemental provincial or federal legislation or laws in effect from time to time) of the undersigned for the purpose of facilitating the subscription for the Common Shares hereunder. The undersigned acknowledges and consents to the Corporation retaining such personal information for as long as permitted or required by law or business practices and agrees and acknowledges that the Corporation may use and disclose such personal information: (a) for internal use with respect to managing the relationships between and contractual obligations of the Corporation and the undersigned; (b) for use and disclosure for income tax-related purposes, including without limitation, where required by law disclosure to Canada Revenue Agency; (c) disclosure to professional advisers of the Corporation in connection with the performance of their professional services; (d) disclosure to securities regulatory authorities and other regulatory bodies with jurisdiction with respect to reports of trade or similar regulatory filings; (e) disclosure to a governmental or other authority to which the disclosure is required by court order or subpoena compelling such disclosure and where there is no reasonable alternative to such disclosure; (f) disclosure

to any person where such disclosure is necessary for legitimate business reasons and is made with your prior written consent; (g) disclosure to a court determining the rights of the parties under this Agreement; and (h) for use and disclosure as otherwise required or permitted by law.

We acknowledge that you will rely upon our confirmations, acknowledgements and agreements set forth herein, and we agree to notify you promptly in writing if any of our representations or warranties herein ceases to be accurate or complete.

DATED this ____ day of ____, 20__.

Name of U.S. Warrantholder (please print)

X

Signature of individual (if U.S. Warrantholder is an individual)

X

Authorized Signatory (if U.S. Warrantholder is not an individual)

Name of authorized signatory (please print)

Official capacity of authorized signatory (please print)