

BY-LAW NO. 2004-1

A by-law relating generally to
the transaction of the business
and affairs of

Thallion Pharmaceuticals Inc.
(the "**Corporation**")

DIRECTORS

Calling of and notice of meetings. Meetings of the board will be held on such day and at such time and place as the Chairman of the Corporation or any two directors may determine. Notice of meetings of the board will be given to each director not less than 48 hours before the time when the meeting is to be held. In the case where the convening of a meeting is considered by the Chairman of the board or the President of the Corporation, in his or her discretion, to be a matter of urgency, he or she may give verbal or written notice of a meeting of the board of by telephonic, electronic or other communication facility not less than one (1) hour before such meeting is to be held, and such notice shall be adequate for the meeting so convened. Each newly elected board may without notice hold its first meeting for the purposes of organization and the appointment of officers immediately following the meeting of shareholders at which such board was elected.

Votes to govern. At all meetings of the board every question will be decided by a majority of the votes cast on the question; and in case of an equality of votes the chair of the meeting will not be entitled to a second or casting vote.

Interest of directors and officers generally in contracts. No director or officer will be disqualified by his or her office from contracting with the Corporation nor will any contract or arrangement entered into by or on behalf of the Corporation with any director or officer or in which any director or officer is in any way interested be liable to be voided nor will any director or officer so contracting or being so interested be liable to account to the Corporation for any profit realized by any such contract or arrangement by reason of such director or officer holding that office or of the fiduciary relationship thereby established provided that, in each case, the director or officer has complied with the provisions of the *Canada Business Corporations Act*.

SHAREHOLDERS' MEETINGS

Notice of meetings. Notice of the time and place of a meeting of shareholders must be sent to each shareholder entitled to vote at the meeting, to each director and to the auditor of the Corporation not less than 21 days nor more than 60 days before the time when the meeting is to be held.

Quorum. At any meeting of shareholders a quorum will be two persons present in person or by means of a telephonic, electronic or other communication facility that permits all participants to communicate adequately with each other during the meeting and each entitled to vote at the meeting and holding or representing by proxy not less than 10% of the votes entitled to be cast at the meeting.

Meetings by telephonic or electronic means. A meeting of the shareholders may be held by means of a telephonic, electronic or other communication facility that permits all participants to communicate adequately with each other during the meeting.

Postponement or cancellation of meetings. A meeting of shareholders may be postponed or cancelled by the board at any time prior to the date of the meeting.

Procedures at meetings. The board may determine the procedures to be followed at any meeting of shareholders including, without limitation, the rules of order. Subject to the foregoing, the chair of a meeting may determine the procedures of the meeting in all respects.

INDEMNIFICATION

Indemnification of directors and officers. The Corporation will indemnify a director or officer of the Corporation, a former director or officer of the Corporation or another individual who acts or acted at the Corporation's request as a director or officer, or in a similar capacity, of another entity, and his or her heirs and legal representatives to the extent permitted by the *Canada Business Corporations Act*.

Indemnity of others. Except as otherwise required by the *Canada Business Corporations Act* and subject to paragraph 9, the Corporation may from time to time indemnify and save harmless any person who was or is a party or is threatened to be made a party to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative (other than an action by or in the right of the Corporation) by reason of the fact that he or she is or was an employee or agent of the Corporation, or is or was serving at the request of the Corporation as an employee, agent of or participant in another entity against expenses (including legal fees), judgments, fines and any amount actually and reasonably incurred by him or her in connection with such action, suit or proceeding if he or she acted honestly and in good faith with a view to the best interests of the Corporation or, as the case may be, to the best interests of the other entity for which he or she served at the Corporation's request and, with respect to any criminal or administrative action or proceeding that is enforced by a monetary penalty, had reasonable grounds for believing that his or her conduct was lawful. The termination of any action, suit or proceeding by judgment, order, settlement or conviction will not, of itself, create a presumption that the person did not act honestly and in good faith with a view to the best interests of the Corporation or other entity and, with respect to any criminal or administrative action or proceeding that is enforced by a monetary penalty, had no reasonable grounds for believing that his or her conduct was lawful.

Right of indemnity not exclusive. The provisions for indemnification contained in the by-laws of the Corporation will not be deemed exclusive of any other rights to which any person seeking indemnification may be entitled under any agreement, vote of shareholders or directors or otherwise, both as to action in his or her official capacity and as to action in another capacity, and will continue as to a person who has ceased to be a director, officer, employee or agent and will inure to the benefit of that person's heirs and legal representatives.

No liability of directors or officers for certain matters. To the extent permitted by law, no director or officer for the time being of the Corporation will be liable for the acts, receipts, neglects or defaults of any other director or officer or employee or for joining in any receipt or act for conformity or for any loss, damage or expense happening to the Corporation through the insufficiency or deficiency of title to any property acquired by the Corporation or for or on behalf of the Corporation or for the insufficiency or deficiency of any security in or upon which any of the moneys of or belonging to the Corporation will be placed out or invested or for any loss or damage arising from the bankruptcy, insolvency or tortious act of

any person, firm or body corporate with whom or which any moneys, securities or other assets belonging to the Corporation will be lodged or deposited or for any loss, conversion, misapplication or misappropriation of or any damage resulting from any dealings with any moneys, securities or other assets belonging to the Corporation or for any other loss, damage or misfortune whatever which may happen in the execution of the duties of his or her respective office or trust or in relation thereto unless the same will happen by or through his or her failure to act honestly and in good faith with a view to the best interests of the Corporation and in connection therewith to exercise the care, diligence and skill that a reasonably prudent person would exercise in comparable circumstances. If any director or officer of the Corporation is employed by or performs services for the Corporation otherwise than as a director or officer or is a member of a firm or a shareholder, director or officer of a body corporate which is employed by or performs services for the Corporation, the fact that the person is a director or officer of the Corporation will not disentitle such director or officer or such firm or body corporate, as the case may be, from receiving proper remuneration for such services.

BANKING ARRANGEMENTS. CONTRACTS. ETC.

Banking arrangements. The banking business of the Corporation, or any part thereof, will be transacted with such banks, trust companies or other financial institutions as the board may designate, appoint or authorize from time to time and all such banking business, or any part thereof, will be transacted on the Corporation's behalf by one or more officers or other persons as the board may designate, direct or authorize from time to time.

Execution of instruments. Contracts, documents or instruments in writing requiring execution by the Corporation will be signed by hand by any two persons each of whom is an officer or director of the Corporation (whether under the corporate seal of the Corporation, if any, or otherwise) and all contracts, documents or instruments in writing so signed will be binding upon the Corporation without any further authorization or formality. The board is authorized from time to time by resolution

to appoint any officer or any other person on behalf of the Corporation to sign by hand (whether under the corporate seal of the Corporation, if any, or otherwise) and deliver either contracts, documents or instruments in writing generally or to sign either by hand or by facsimile or mechanical signature or otherwise (whether under the corporate seal of the Corporation, if any, or otherwise) and deliver specific contracts, documents or instruments in writing, and

to delegate to any two officers of the Corporation the powers to designate, direct or authorize from time to time in writing one or more officers or other persons on the Corporation's behalf to sign either by hand or by facsimile or mechanical signature or otherwise (whether under the corporate seal of the Corporation, if any, or otherwise) and deliver contracts, documents or instruments in writing of such type and on such terms and conditions as such two officers see fit.

Contracts, documents or instruments in writing that are to be signed by hand may be signed electronically. The term "contracts, documents or instruments in writing" as used in this by-law includes without limitation deeds, mortgages, charges, conveyances, powers of attorney, transfers and assignments of property of all kinds (including specifically but without limitation transfers and assignments of shares, warrants, bonds, debentures or other securities), proxies for shares or other securities and all paper writings.

MISCELLANEOUS

Invalidity of any provisions of this by-law. The invalidity or unenforceability of any provision of this by-law will not affect the validity or enforceability of the remaining provisions of this by-law.

Omissions and errors. The accidental omission to give any notice to any shareholder, director, officer or auditor or the non-receipt of any notice by any shareholder, director, officer or auditor or any error in any notice not affecting its substance will not invalidate any action taken at any meeting to which the notice related or otherwise founded on the notice.

INTERPRETATION

Interpretation In this by-law and all other by-laws of the Corporation words importing the singular number only include the plural and vice versa; words importing any gender include all genders; words importing persons include individuals, corporations, limited and unlimited liability companies, general and limited partnerships, associations, trusts, unincorporated organizations, joint ventures and governmental authorities; “board” means the board of directors of the Corporation; “*Canada Business Corporations Act*” means *Canada Business Corporations Act*, R.S.C. 1985, c. C-44 as from time to time amended, re-enacted or replaced; terms that are not otherwise defined in this by-law have the meanings attributed to them in the *Canada Business Corporations Act*; and “meeting of shareholders” means an annual meeting of shareholders or a special meeting of shareholders.

REPEAL

Repeal. The general by-laws of the Corporation numbered one to thirteen are repealed as of the coming into force of this by-law provided that such repeal will not affect the previous operation of any by-law so repealed or affect the validity of any act done or right, privilege, obligation or liability acquired or incurred under or the validity of any contract or agreement made pursuant to any such by-law prior to its repeal. All officers and persons acting under any by-law so repealed will continue to act as if appointed by the directors under the provisions of this by-law or the *Canada Business Corporations Act* until their successors are appointed.