



LIFECORE BIOMEDICAL, INC.
NOMINATING AND CORPORATE GOVERNANCE
COMMITTEE CHARTER

Effective July 15, 2025

I. PURPOSE

The Nominating and Corporate Governance Committee (the “Committee”) shall report to and assist the Board of Directors (the “Board”) of Lifecore Biomedical, Inc. (the “Company”). The purpose of the Committee is to identify qualified individuals for membership on the Board; recommend to the Board the director nominees to fill vacancies on the Board and to stand for election at the next annual meeting of shareholders; develop and recommend to the Board a set of corporate governance guidelines for the Board; and provide oversight of the corporate governance affairs of the Board; as well as such other matters as directed by the Board or this Charter.

II. MEMBERSHIP

The Committee shall be comprised of not less than three members of the Board. Members shall be appointed and may be removed, with or without cause, by the Board. Resignation or removal of a director from the Board, for whatever reason, shall automatically constitute resignation or removal, as applicable, from the Committee. Vacancies, for whatever reason, may be filled by the Board. All members of the Committee shall be independent directors, as independence is defined in accordance with any applicable rules, regulations and standards of the Nasdaq Capital Stock Market LLC (“Nasdaq”), the Securities and Exchange Commission and other legal requirements, as determined in the business judgment of the Board.

The Board shall appoint one of the members of the Committee as Chairperson. The Chairperson shall chair all meetings of the Committee and perform such other activities as from time to time are requested by the other Committee members or as circumstances dictate. The Committee may form and delegate authority to subcommittees when appropriate, and shall periodically review such delegations.

III. MEETINGS

The Committee shall meet at least once each year and as often as it deems appropriate, in person, by video or telephone conference or by other means of communication by which all participants can hear each other. The Chairperson of the Committee, in consultation with the other members and management, may set meeting agendas consistent with this Charter. The Committee shall report regularly to the Board with respect to its activities and make recommendations to the Board as appropriate. The

Committee shall maintain written minutes of its meetings, which minutes will be filed with the minutes of the meetings of the Committee. The Committee may act by unanimous written consent in lieu of a meeting (which may include electronic consent), in accordance with the Company's certificate of incorporation and bylaws, and any such unanimous written consents will be filed with the minutes of the meetings of the Committee.

The Committee may, in its discretion, invite to any meeting other directors of the Company, members of the Company's management or any other person, including, without limitation, outside counsel or consultants, whose presence the Committee believes to be desirable and appropriate. In the discretion of the Chairperson, but at least once per year, the Committee shall meet in executive session. The Committee may exclude anyone with a personal interest in the matters under discussion at any meeting or session.

IV. COMMITTEE AUTHORITY AND RESPONSIBILITIES

The Committee shall have the following authority and responsibilities:

Recruitment and Nomination of Directors and Committee Members

1. Periodically assess the appropriate size and composition of the Board as a whole, the needs of the Board and the respective committees of the Board.
2. Develop and recommend to the Board criteria for Board and committee membership, which shall include a description of any specific qualifications that the Committee believes must be met by a nominee, and a description of any specific qualities or skills the Committee believes one or more of the directors should possess; and periodically review and recommend any necessary or appropriate changes to such criteria.
3. Identify, review and evaluate candidates, including candidates submitted by shareholders (provided such candidates are submitted in accordance with the Company's procedures for the nomination of directors by shareholders as provided in the Company's bylaws), for election to the Board and recommend to the Board (i) nominees to fill vacancies or new positions on the Board and (ii) the slate of nominees to stand for election by the Company's shareholders at each annual meeting of shareholders.
4. Review and recommend to the Board director independence determinations made with respect to continuing and prospective directors and, as needed, consider questions of independence and possible conflicts of interest of members of the Board and executive officers.
5. Review and recommend to the Board the Board's leadership structure, including the appointment of the chairperson of the Board, whether to separate the chairperson and chief executive officer roles and, if the

chairperson of the Board is not independent, the appointment of a lead independent director of the Board, either permanently or for specific purposes.

6. Review and recommend to the Board the assignment of directors to serve on each Board committee and the chairperson of each committee; and recommend additional committee members to fill vacancies or as otherwise needed.
7. Evaluate the re-nomination and continuing service of incumbent directors, as impacted by factors including retirement, changes in principal employment or primary occupation, conflicts of interest and attendance.

Corporate Governance

1. Develop, recommend, oversee the implementation of and monitor compliance with, the Company's corporate governance guidelines; periodically review and recommend any necessary or appropriate changes to the Company's corporate governance guidelines.
2. Periodically review the adequacy of the certificate of incorporation and bylaws of the Company and recommend to the Board any necessary or appropriate amendments for approval and, as required, submission for consideration by the shareholders.
3. Review important issues and developments in corporate governance, and develop appropriate recommendations for the Board.
4. Consider and implement policies with respect to oversight, assessment and management of risks associated with the independence of the Board, potential conflicts of interest and the effectiveness of the Board.
5. Periodically prepare, review and recommend director orientation and continuing education programs for members of the Board on topics that will assist them in discharging their duties.
6. Develop and oversee the annual self-evaluation of the Board and its committees.
7. Review any proposals submitted by shareholders for action at the annual meeting of shareholders and make recommendations to the Board regarding action to be taken in response to each proposal.

Committee Performance

1. Conduct an annual self-evaluation of its performance in fulfilling its duties and responsibilities under this Charter.
2. At least annually, review and assess the adequacy of this Charter and recommend any proposed changes to the Board for approval.

V. ADVISORS, RESOURCES AND AUTHORITY OF THE COMMITTEE

The Committee shall be authorized to access such internal and external resources as the Committee deems necessary or appropriate to fulfill its defined responsibilities, including sole authority and discretion to select, engage and terminate external counsel, consultants and other professional advisors (each, an “Advisor”), in each case at the expense of the Company. The Committee shall have sole authority to approve fees, costs, compensation and other terms of engagement of such Advisors, all of which will be promptly paid by the Company. The Committee shall also have the authority to pay, at the expense of the Company, ordinary administrative expenses that, as determined by the Committee, are necessary or appropriate in carrying out its duties. The Chairperson shall have the delegated authority to act on behalf of the Committee (i) in connection with approval of the retention of director search firms (including negotiation and execution of their engagement letters), and (ii) as may otherwise be determined by the Committee.

The Committee shall have full access to all books, records, facilities and personnel of the Company as deemed necessary or appropriate by any member of the Committee to discharge his or her responsibilities hereunder. The Committee shall have the authority to require that any of the Company’s personnel or Advisors attend any meeting of the Committee or meet with any member of the Committee or any of its Advisors. The Committee is empowered to investigate any matter brought to its attention (and to retain Advisors as required) and to recommend to the Board resolution of any matter brought to its attention.