UNITED STATES SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549

FORM 6-K

REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES EXCHANGE ACT OF 1934

For the month of May 2025

Commission File Number 001-41231

TC BIOPHARM (HOLDINGS) PLC

(Translation of registrant's name into English)

Maxim 1, 2 Parklands Way Holytown, Motherwell, ML1 4WR Scotland, United Kingdom +44 (0) 141 433 7557 (Address of Principal Executive Offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F: ☑ Form 20-F ☐ Form 40-F Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): ____ Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): Submission of Matters to a Vote of Shareholders The general meeting of shareholders, which was announced on May 6, 2025, was convened in accordance with the Articles of association of the Company on May 22, 2025; and, in line with the powers vested in the chairman of the meeting with the consent of the meeting, the general meeting was adjourned by the chairman indefinitely, to a time and place to be determined and announced. Signature Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized. TC BIOPHARM (HOLDINGS) PLC /s/ Martin Thorp Name: Martin Thorp Title: Chief Financial Officer Date: May 27, 2025