



SOUTHERN AFRICAN BIO- MANUFACTURING TRAINING HUB



science, technology
& innovation

Department:
Science, Technology and Innovation
REPUBLIC OF SOUTH AFRICA



CSIR

Touching lives through innovation



SOUTHERN AFRICAN
BIOMANUFACTURING TRAINING HUB



The CSIR-hosted **Southern African Biomanufacturing Training Hub (SA-BTH)** is pleased to announce the commencement of a course titled: Principles for Microbial Preservation and Aseptic Techniques in Biomanufacturing (I-BTH03), scheduled to start on Monday, 19 October 2026, as part of its Strengthening Biomanufacturing Capabilities in Southern Africa (BIOcapSA) programme supported by KfW Development Bank.

The programme aims to support training and development in the biomanufacturing sector, focusing on developing a skilled and competent workforce in Africa.

PRINCIPLES FOR MICROBIAL PRESERVATION AND ASEPTIC TECHNIQUES IN BIOMANUFACTURING (I-BTH03)

The Biomanufacturing Training Hub's goal in providing this course is to help grow and develop the biomanufacturing sector on the African continent through cutting-edge training in partnership with both local and international stakeholders.

The course is offered to African manufacturers, scientists and other key players in the development and scaling-up of biomanufacturing processes and products. A key aspect of this programme is to provide both theoretical and hands-on training and skills development that will enable local manufacturing of biologics, vaccines, recombinant proteins and therapeutics. This programme is aligned with a number of other initiatives that focus on establishing vibrant biomanufacturing industries on the African continent.

COURSE DESCRIPTION

The principles for microbial preservation and aseptic techniques in biomanufacturing course equips scientists, technicians, and biomanufacturing personnel with the theoretical knowledge and practical competencies required to establish effective microbial preservation systems and perform aseptic operations in laboratory and manufacturing settings. Participants will gain an understanding of contamination control and culture preservation to support safe, reproducible biomanufacturing processes.

This course will be delivered using a hybrid model of applied and advanced knowledge transfer in the form of classroom-based lectures and hands-on training.

KEY AREAS OF DEVELOPMENT INCLUDE:

- Microbial preservation
 - Preservation methods for all microbial systems
- Aseptic techniques
 - Contamination prevention and aseptic handling
- Practical skills
 - Culture handling and sterility testing





COURSE DATE AND DURATION

DATE: 19 OCTOBER – 23 OCTOBER 2026 (ONLINE) AND
26 OCTOBER – 30 OCTOBER 2026 (ON-SITE TRAINING)

DURATION: 10 DAYS (ONLINE AND IN PERSON **AT THE
CSIR, PRETORIA CAMPUS, SOUTH AFRICA**)

COURSE DELIVERY

The course is delivered using a hybrid format to transfer advanced knowledge, which includes:

- Hands-on training; and
- Classroom-based lectures (online* and in person)

*Please note that a reliable internet connection is required to participate in the online sessions. It is recommended that a good download and upload speed be at least 5-10 Mbps.



COST AND FINANCING

Please note that a maximum of 20 candidates will be selected. For South African candidates, the funding package includes:

- Course fees (all);
- Travel expenses (flights for 10 participants outside of Gauteng) and accommodation for on-site training;
- One return ground transport from the airport to the accommodation; and
- Daily ground transport from the accommodation to the CSIR (designated course venue)

Subsistence and travel allowance (S&T) will not be covered.

WHO SHOULD ATTEND?

Preference will be given to the following candidates:

- Current staff in the biomanufacturing sector requiring skills expansion/upgrading;
- New or developing staff in the biomanufacturing sector;
- Identified staff or new recruits for a biomanufacturing facility; and/or
- From biomanufacturing facilities currently under construction that will require a skilled workforce.

APPLICATIONS from qualified persons from South African will be accepted. Young South African women are encouraged to apply. Participation will only be available to candidates holding a relevant B-degree. For enquiries, please email **BIDC@csir.co.za**.

IMPORTANT DATES

- **Deadline** for submission of applications: **9 September 2026**
- **Selected candidates** will be notified by **25 September 2026**

Applications should be submitted by completing the application form available [here](#).

