

Bioproduction technician

Operational skill #1

Prepare, coordinate and control production, ensuring compliance with quality, health, safety and environmental standards

- **Bioproduction environment (DS-DP)**
 - Discovering biopharmaceuticals: key development stages, regulatory framework, and manufacturing processes (P1M1-1)
 - Overview of Quality Control (P5M1)
 - Introduction to Fill&Finish (P3M2)
 - Transportation and logistics management of bioproduction (P10M1)

Operational skill #2

Handling of biological manufacturing equipment according to quality, safety and environmental standards

- **UpStream Processing**
 - Presentation of cGMPs and industrial environment – USP (P2M2)
 - In-Process Controls (IPCs) for USP in cGMPs (P2M4)
 - Practice USP in cGMPs (P2M6)
- **DownStream Processing**
 - DSP Process in cGMPs (P4M2)
 - Viral Clearance (P4M4)
 - Equipment Cleaning in DSP (P4M5)
 - In-Process Controls (IPCs) for DSP in cGMPs (P4M6)
 - DSP -Applicative module (P4M8)

Operational skill #3

Management of malfunctions and carrying out technical interventions with usual tools on controlled equipment

- **Q-HSE investigation**
 - Case study applied to bioproduction facility operation (P7M7)

Operational skill #4

Monitoring, processing information and carrying out improvement actions

- **Data integrity**
 - Data Quality and Integrity in Bioproduction: Principles and practical cases (P1M5-1)

Operational skill #5

Work in a Controlled Atmosphere Zone

- **Work in a Controlled Atmosphere Zone**
 - Immersion in a controlled atmosphere area: preventing contamination and adopting best practices (P1M2-1)