

# 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 cGMPsand 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)