

Biotech 2B: Process Support

<u>Topic</u>	<u>Typical Activity</u>
Small Parts and Labware Preparation	Practice assembling, clamping, wrapping, small parts and labware
Introduce Washing Design of Labware Washers/Dryers Design of COP Bath	Practice handwash procedures.
Autoclave Theory of Steam Sterilization Autoclave Design Labware Preparation for Autoclaving Validation Testing- Termocouples Validation Testing – Biological Indicators	Autoclave operation
CIP Overview of Clean In Place =(CIP) Design of Clean In Place Systems Tank and Piping Design for CIP Validation Testing – Water Sampling Validation Testing – Swabbing	Assemble/sterilize bioreactor
SIP Tank, and Piping Design for SIP Validation Testing – Thermocouples Validation Testing – Biological Indicators	
Preventive Maintenance Importance of PM Regulatory requirement for PM Designing a PM program	Operation and PM of LAF hoods and CO ₂ incubators
Facilities Sanitization Disinfectants, Effectiveness Surface Cleaning, Techniques	Sanitization of facility
Raw Materials Logistics	Laboratory Inventory