

The AstellBio Laboratory Sink & EDS

The AstellBio Laboratory Sink & EDS unit is a highly capable and versatile sterilization station (up to 250 liters per day) specifically designed for research laboratories. The system includes a hands-free lab sink with a fully automatic, sequential-batch effluent decontamination system in a compact footprint requiring only basic utilities.

LABORATORY SINK & EDS:

The hands-free lab sink feeds the sequential-batch Effluent Decontamination System (EDS) that automatically sterilizes and cools the wastewater before sending it to the drain. A sterile filter option can be fitted to the EDS for deactivation of biological agents up to BSL-3.

Standard Features include:

- Stainless steel sink and tanks
- Automatic water tap
- 25L Holding tank / 12L Kill tank (ASME)
- Sequential-batch processes up to 250L / 24hrs
- Electric heating – direct immersion (1 ph)
- Adjustable time / temp, up to 138°C
- 5.7" Color touchscreen controller
- USB data port
- Fully programmable via password protection
- Biowell for validation
- Level & Temperature controlled
- Pressure gauge and displays
- Drain cooler with heat exchanger
- Safety valve
- Continuous stage monitoring
- Emergency stop



Additional Options for Consideration:

- Automatic soap dispenser
- Integral data printer for cycle data hard copy output
- Ethernet interface allows for remote PC monitoring via VNC & cycle logs can be archived to server via FTP for backup
- 316L stainless steel fascia panels
- Extra RTD for independent temperature verification
- Sterile Filter (BSL3) upgrade
- IQOQ documentation package

Required Services and Connections:

- 220V - 240V power supply
- Cold water (preferably softened) up to 20L/min
- Dedicated drain (Ø35mm 60°C waste to drain)
- Electrically heated with a 3kW heater