

LIQUID HANDLING

BioFill Vial Filler and Capper



The BioFill is an automated platform for dispensing liquids into screw-cap vials in combination with automated decapping and recapping. The BioFill is based on automatically decapping, dispensing cell suspensions and other liquids into the micro-tubes and recapping the tubes in a 96 rack SBS-1 foot print.

The BioFill can also be ordered as an integrated solution with a Biostack and BioTrack. This will allow walkaway processing for multiple vial racks, and even potential integration into larger automated workcells.

The BioFill can also be integrated with the BioLabel tube-labeling system from Biosero, providing a complete filling/capping/bar code labeling solution.



- Decapping, dispensing and recapping one column (8 tubes) at a time re-using the old caps
- Decapping, dispensing and recapping one column (8 tubes) at a time, but with waste of old caps and recapping with new caps from cap storage.
- Use the combination decapper/recapper and dispenser unit for decapping, dispensing and recapping - as stand alone system.
- Use the combination decapper/recapper and dispenser unit for decapping, dispensing and recapping - integrated in a robotic bench with e.g. stackers.
- Use the decapper/recapper alone as 96 tubes decapper/recapper.
- Compatible with all Tube Types: Nunc, Matrix, Micronic, MatriCal, Abgene, REMP.
- Easy operator interface simplifies training.
- Minimum distance between the decapper/recapper part and dispensing point.

The dispensing unit is provided with microprocessor controlled 8-channel precision peristaltic pump with 3-stop tubes. Dispensing volume is set via finger touch control panel or operation via PC.



Important - by dispensing only 1 open column at the time sample contact with the atmosphere and the danger for contamination is minimized.

The BioFill is easy to operate and fits within a culture cabinet or Class II hood.

Specifications

Software	Built-in control GUI.
Media	Nunc Cryobank Vials and Bank-It. Nunc Cryovials. Matrix, Micronic, and Greiner. Operates on capped as well as non-capped tubes. Other formats can be processed on request.
Flow Rates	0.0011 - 84 ml/min
Capacity	6 - 8 unit 96-rack / minute
Ordering Info	CDU-96M BioFill Dispenser, Manual Standalone Version CDU-96I Biofill Dispenser, Robotic Integration Version
Dimensions	500mm W x 280mm H x 300mm L / 19.7" W x 11" H x 11.8" L Fits in all standard Class II enclosures
Weight	30 kg / 66 lbs. (dispenser + capper)
Electrical	100 - 240 VAC, 50/60 Hz
Materials	All components with product contact are made from stainless steel, aluminum and POM. Cabinet protection grade IP 54, soft steel with powder coating.

