



LABSUN SELECTION

Liquid working station

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EB P96

EB P96 is a high-precision, highly flexible, easily adaptable, and expandable fully automated liquid handling system. Equipped with 96 channels, it can rapidly, accurately, and conveniently transfer 96 samples simultaneously. The system efficiently performs operations such as sample aliquoting, transfer, dilution, mixing, and plate sealing between microplates, meeting a wide range of liquid-handling requirements.



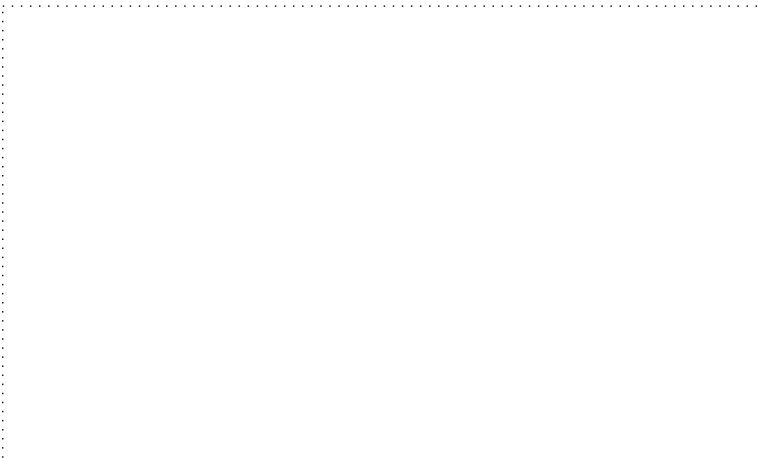
Features

- High-throughput processing** - equipped with 96 channels, enabling simultaneous transfer of 96 samples. Supports efficient operations such as aliquoting, transferring, dilution, mixing, and plate sealing between microplates.
- Flexible pipetting configuration** - supports 1µL-1000µL pipetting range. Optional 50µL, 200µL, and 1000µL 96-channel pipetting modules, with an optional 8-channel module for different applications.
- User-friendly software interface** - touchscreen web-style control software. Built-in pipetting modes and pre-set workflow templates, with support for custom workflow editing.
- Compact and laboratory-compatible design** - small footprint suitable for bench tops, clean benches, and biosafety cabinets, enabling sterile pipetting operations.
- Efficient and flexible deck layout** - up to four plate positions, allowing flexible placement of tips, microplates, and waste containers.
- Expandable system integration** - reserved pressure sealing module function. It can be integrated into larger automated workstations or production lines.

Technical Parameters

Throughput	96
weight	45 kg
Pipetting Range	Optional 50µL, 200µL, and 1000µL pipetting modules; pipetting volume range 1µL-1000µL
Pipetting Accuracy*	50µL pipettor: 1µL (accuracy ±8%, CV ≤6%); 25µL (accuracy ±2%, CV ≤1%); 50µL (accuracy ±1%, CV ≤0.5%)
	200µL pipettor: 20µL (accuracy ±3%, CV ≤2%); 100µL (accuracy ±2%, CV ≤1%); 200µL (accuracy ±1%, CV ≤0.5%)
	1000µL pipettor: 100µL (accuracy ±1.5%, CV ≤0.5%); 500µL (accuracy ±1%, CV ≤0.3%); 1000µL (accuracy ±1%, CV ≤0.5%)
Software Functions	Multiple preset workflow templates with customizable editing supports operations such as sample aliquoting, dilution, and mixing
Maximum Plate Positions	4
Pipette Type	Air-displacement pipette
Power Supply & Consumption	110-230V AC, 50-60Hz, 400VA

*Accuracy measured using deionized water.



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