

Thermo Multidrop Combi



Volume Range: 0.5–2,500 μ L

Rating: Not Rated Yet

Price

Sales price \$7,500.00

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Manufacturer [Thermo](#)

Description

The Thermo Scientific Multidrop Combi is a versatile, automated 8-channel microplate reagent dispenser designed for high-throughput laboratories in pharma, biotech, and life sciences research. It uses a peristaltic pump system with interchangeable dispensing cassettes to quickly and precisely add reagents to microplates, minimizing waste and supporting applications like assay development, ELISA, cell-based assays, and genomic/proteomic screening. It's a workhorse for reliable, repeatable bulk reagent dispensing in screening and assay setups.

Key Features

Volume Range: 0.5–2,500 μ L (small cassette: 0.5–50 μ L in 0.5 μ L increments; standard cassette: 5–2,000 μ L in 5 μ L increments). Excellent precision and reproducibility.

Plate Compatibility: Handles 6- to 1,536-well plates (including 96- and 384-deep well) and tube racks. Adjustable for plate heights of 5–50 mm.

Dispensing Speed: Very fast (e.g., ~10 seconds for a 96-well plate at 100 μ L; ~15–28 seconds for 1,536-well plates depending on volume).

Supports high-throughput workflows.

Low Dead Volume & Reagent Savings: <1 mL (low-range) or <7 mL (higher volumes), with backflushing to return unused reagent to the reservoir. Cassettes are autoclavable.

Ease of Use & Integration: Intuitive icon-based touchscreen interface; fully robotic/automation-compatible; options for PC control via FILLit software; available in SMART+ variant with RFID cassette tracking for traceability.

Dimensions: ~35.6 x 21.8 x 32.8 cm; Weight: ~9.1 kg.

Comes with our 90-day warranty.

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