

Labomiz



ELISA Workstation

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ELISA workstation MELISA-1 Series is a fully automated immunoassay processor with multifunctional liquid handling system. It is characterized with the unique module combination of pipetting, washing, incubating and reader functions. The dispense channels feature disposable tips to avoid contamination. The workstation employs dispensing-aspirating washing mode.

Features:

- Photometric microplate reader module
- Air displacement pipetting system
- Crosswise aspiration with selectable injection height
- Liquid level, clot and empty tube monitoring
- Multifunctional liquid handling (dilution, conjugation, aliquoting)
- Multiple and diversified dispensing



Applications:

Used to detect antigens or antibodies in serum, sputum, semen, urine, stool, supernatant of culture in the fields of microbiology, genetic profiling, biotechnology, biochemistry, zoology, clinical trials, etc.

Specifications :

Model No.	MELISA-1A	MELISA-1B	MELISA-1C	MELISA-1D	MELISA-1E
Assembly	Benchtop	Cabinet			Benchtop
Number of channels	2		4	8	1
Disposable tips	300 µL and 800 µL				
Pipetting range	1 µL ~ 1000 µL				0.5 µL ~ 800 µL
Pipetting increment	0.1 µL				
Pipetting precision and accuracy (300 µL and 800 µL)	Volume: 100 µL Accuracy: ± 1% Precision: < 0.75 %				Volume: 50 µL Accuracy: ± 1% Precision: < 0.75 %
Pipetting speed (96 samples)	-	600 sec	320 sec	180 sec	1300 sec
Dispensing speed (96 wells)	-	85 sec	45 sec	20 sec	160 sec
Total rails	12	16		20	-
Control positions	6 × 24 = 144	8 × 24 = 192		10 × 24 = 240	8 × 12 = 96
Reagent positions	6 × 4 = 24	8 × 4 = 32		10 × 4 = 40	16 + 7 + 5
Plate positions	4 + 1 ambient (opt)	9		16	1 plate on plate drive 1 standard well plate
Temp. range	RT ~ 60 °C				
Temp. increment	0.1 °C				
Temp. accuracy	± 0.5 °C				
Washing channels	1 × 8	1 × 96 with 3 plate positions			1 × 8
Selectable wash buffers	3				2
Wash volume	50 µL ~ 1000 µL per well				50 µL ~ 1000 µL
Residual volume	≤ 2 µL per well				
Interface	USB and Rs232				
Barcode scanning	Manual	Automatic	Automatic	-	Manual
Dimensions	1270×785×1000 mm	1500×810×1735 mm	1500×810×1735 mm	1940×900×1735 mm	645×450×680 mm
Weight	180 kg	330 kg	340 kg	450 kg	50 kg

The logo for Labomiz, featuring the word "Labomiz" in a bold, blue, italicized sans-serif font.

Labomiz

The text "Labomiz Scientific" is displayed in a white, bold, sans-serif font, centered within a dark green rounded rectangular background.

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