



FAE-4 Fully automated ELISA processor

| Elisa System

Details Info

Features:

- 1 Robotic hand.
- 2 Pipetting probe, 1ul stepping (1000ul volumes).
- Total 25 racks, arbitrary rack can be defined as sample or reagent on the software.
- 4 units 96 well microplates (pipetting,incubator,reading).
- 1 unit independent washer &reader(two 8 nozzle manifolds).

Specification

Model	FAE-4	
Sample pipetting unit	Sample rack	24 sample tubes/rack, at most 25 racks
	Primary sample tubes	11.5-13mm
	Pipetting	8ul~1000ul, (10ul) CV<5%
	Time to dispense	15 minutes (typical)^100ul of 96 samples to plate

		from sample tubes or dilution tubes.
	Dispensing system	1 aspirating-dispensing probe with X-Y-Z movement ;dilution systemwith a syringe of 1000ul, continuous flow washing station.
Reagent pipetting unit	Reagent racks	2 reagent tanks(60ml)/ rack, at most 25 racks
	QC racks	24 positions/QC rack, at most 25 racks
	Pipetting	8ul~1000ul,1ul stepping,
	pipetting precision	(100ul)CV≤0.5%
	Time to dispense	2 minutes(typical)^100ul of 96 reagents to plate from reagent bottle
Washing unit	Programmable	Yes(options & parameters)
	Wash containers	4 wash buffers at 2.0L, with level-sensing
	Waste containers	10L with waste full sensor
	Washing system	two 8 nozzle manifolds, one to dispense and the other one to aspirate;
	Washing residual	<2μl
Reading unit	Reading system	8 independent photometric channels with mono and bichromatic reading capability
	Photometric range	0.000 ~3.000 OD
	Spectral range	400-700nm
	Optical filters	2 precision filters (450and 630nm); 2 more on request (4 filters max, 405 nm, 450 nm, 492 nm and 630 nm)
	Reading inaccuracy	inaccuracy±1% from 0.000 to 1.500 OD, ±2% from 1.500 to 3.000 OD
Incubation unit	Incubators	4 independent units
	Programmable	Yes
	Temperature range	RT to 45 °C
	Temperature accuracy	±0.5°C
	Temperature staility	±0.5°C
	Software system	Windows XP or Windows 7 or above, LIS system available, realize two-way data communications

Software unit	Function application	work list set up, patient reports and result filing; calibration curve, storage for each carried out test
	Data reduction	cut-off (qualitative)
Physical Specification	Power Supply	AC220V+ 10%,50/60Hz, 450W
	Instrument Dimension	110*72*70cm (L*W*H)
	Instrument Weight	100kg
	Package Dimension	138*91*98cm(L*W*H)
	Total Weight	150kg



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