

Automatic ELISA Processor BIOBASE1000



Features:

- ①. 1 robotic arm, 1 pipetting probe (10~1000μl).
- ②. 2 unit 96 well microplates (independent incubating).
- ③. 1 unit reader& washer (auto reading and washing).



Software Module

User-friendly Windows system;
LIS system available.



Sample Module

Hitech teflon coating probe to
prevent cross contamination.



Sample & Reagent & Dilution Rack Module

Original sample tubes available;
Rack positions programmable.



Microplate Reader & Washer Module

Modularized automatic control
reading and washing system.

Parameters:

Model	BIOBASE1000	
Sample Unit	Sample Racks	Standard 192 sample position (expandable, up to 384)
	Pipetting	10~1000μl
	Dispensing System	1 aspirating and dispensing probe (X-Y-Z movement)
Reagent Unit	Reagent Racks	Universal reagent position: standard 6 universal reagent positions (expandable, up to 32); Original reagent bottle: Standard 20 reagent bottles position (expandable, up to 80)
	Pipetting Range	10~1000μl, 1μl stepping
	Pipetting Precision	(100μl) CV≤1.0%
	Dispensing Time	5 minutes to whole 96 well microplates
Incubation Unit	Incubation	2 independent Incubators
	Temperature Range	RT to 45°C
	Temperature Accuracy	±0.5°C
Washing Unit	Washing Probes	Two line 8-nozzle manifolds
	Wash Containers	2 wash buffers 2L, 1 distilled water, 1 waste water
	Washing Residual	≤2μl/well
Reading Unit	Reading Channels	8 independent photometric channels, mono and dichromatic reading
	Absorbance	0.0~4.0 OD
	Spectral Range	400~750nm
	Optical Filters	2 standard filters (450,630nm); 2 more on request (405nm/450nm/492nm/630nm)
Data Management	Software	Windows 7/10
	LIS System	Bi-direction, support HL7 protocol
	Results	Absorbance and results reviewable by software
Working Conditions	Printer	External optional
	Power Supply	AC220V±10% 50/60Hz; 110V±10% 60H, 400W
	Temperature	10~30°C
Size & Weight	Humidity	40%~70%
	External Size (W*D*H)	935*665*860mm
	Net Weight	112kg
	Package Size(W*D*H)	1115*920*1398mm
Size & Weight	Gross Weight	180kg