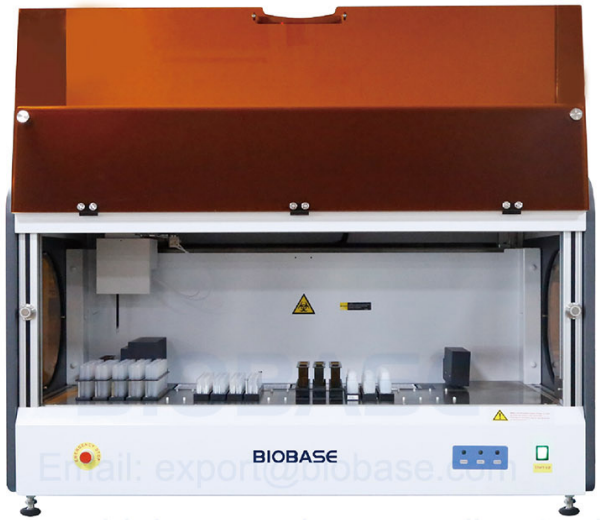
Auto ELISA Processor
BIOBASE 2000



Features:

①. 1 robotic arm, 2 pipetting probes (10~1000μl).
②. 4 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		BIOBASE 2000
Sample Unit	Sample Racks	552 sample positions (tubes 13mm)
	Pipetting	8~1000μl
	Dispensing System	2 aspirating and dispensing probe (X-Y-Z movement)
Reagent Unit	Reagent Position	23 reagent racks, editable
	Pipetting Range	8~1000μl, 1μl stepping
	Pipetting Precision	(100μl)CV≤0.5%
Washing Unit	Dispensing Time	4 minutes to whole 96 well microplates
	Washing Probes	Two line 8-nozzle manifolds
	Wash Containers	Cleaning fluid (15L), waste water (25L), Buffer 1 (5L), Buffer 2 (2L), Buffer 3 (2L), Buffer 4 (2L), with liquid level-sensing, liquid shortage and full alarm
	Waste Containers	25L with waste full sensor
	Washing Residual	< 2μl
Reading Unit	Reading Channels	8 independent photometric channels, mono and dichromatic reading
	Absorbance	0.0~3.0 OD
	Spectral Range	400~700nm
	Optical Filters	2 standard filters (450,630nm); 2 more on request (405nm/450nm/492nm/630nm)
	Reading Accuracy	±1% from 0~1.5OD, ±2% from 1.5~3.0 OD
Incubation Unit	Incubators	4 independent units
	Temperature Range	RT to 45°C
	Temperature Accuracy	±0.5°C
Data Management	Software System	Windows 7
	LIS System	Bi-direction, support HL7 protocol
	Results	Absorbance and results reviewable by software
	Printer	External optional
Working Conditions	Power Supply	AC220V±10% 50/60Hz; 110V±10% 60Hz, 400W
	Temperature	10~30°C
	Humidity	30%~80%
Size & Weight	External Size(W*D*H)	1235*710*880mm
	Net Weight	146kg
	Package Size(W*D*H)	1380*860*1435mm
	Gross Weight	220kg