

DIAsource ELISA Washer

DIA3000 – Technical Specifications

Description

PLATE WASHER is a versatile, user friendly & rugged instrument designed by keeping both quality and price in view. The instrument is simple, yet versatile as it uses the state of art hardware for its components.

Special Features

- Built in two plate ELISA incubator
- User programmable soak time, wash cycles and dispensing volume.
- Battery backed up memory for 50 tests.
- Waste bottle full indicator with audible alarm.
- Built-in stabilizer.
- State of art equipment with versatile software.
- Real time clock.
- Continuous aspiration to prevent overflow.
- Loosely held Manifold to prevent scratching of well bottoms.
- Uses special software to aspirate “U” shaped, “V” shaped, and wide wells.
- On switching ‘OFF’ the instrument, it performs RINSE operation first and then instrument automatically gets off.





Technical Specification

Manifold	8 Way Manifold autoclavable
Dispensing Method	Specially designed Peristaltic Pump
Volume	50 - 500 µl
Aspirating Method	Continuous through diaphragm pump while dispensing hence preventing overflow
Residual Volume	< 5 µl
Waste Bottle	One (Capacity 2 liters) with audible alarm when bottle is completely filled in with waste solution
Wash Bottle	One (Capacity 2 liters)
Rinse Bottle	One (Capacity 2 liters)
Display	16 digit alphanumeric fluorescent
Liquid contact materials	Silicon, stainless steel, derline
Memory	8 KB Non volatile RAM Battery backup, supporting 35 Open channels
Programming Modes	Plate Wash Strip Wash Bottom Wash Overflow Wash Rinsing Priming Disinfect
Shaking Time	1 to 59 Seconds
Speed	8 Steps
Incubator	For two ELISA Plates, 37+/-10C
Timer	Individually Programmable 2 Nos.
Power Wattage	50 Watts
Voltage	115-240 Volts ± 10%, 50 /60 Hz
Operating Position	On horizontal, rigid, flat and vibration free surface
Operating Conditions Temperature	+180C to 350C
Humidity	Up to 85 %
Storage Conditions Temperature	- 100C to 600C
Humidity	Up to 85 %
Enclosure	ABS Fire retardant
Size (cms)	35 X 35 X 13 (l X b X h)
Weight	6 Kg. (Approx)

DIAsource ELISA Shaker/ Incubator

DIA4000 – Technical Specifications

Special Features

- Simultaneous shaking & incubation operation.
- Buzzer indication on completion of incubation
- Indication of Remaining time
- Current temperature of incubation on display, on pressing TEMP Key.
- Separate Timer ON indication on Keypad

Technical Specification

Operating Modes	Shaker Incubator Shaking & Incubator
<i>Temperature Control</i>	
Temperature Range	370 C to 420 C
Resolution	10 C
Incubation Time	1 to 999 min
<i>Shaker</i>	
Frequency	400 to 700 RPM
Amplitude	2 mm
Operating Position	On horizontal flat, rigid and vibration free surface
<i>Operating Conditions</i>	
Temperature	From + 180 C to 320 C
Relative Humidity	Up to 80%
<i>Storage Conditions</i>	
Temperature	From -100 C to 350 C
Relative Humidity	Up to 80%
Enclosure	ABS Fire retardant
Size (cm)	28 X 25 X 16 (l X b X h)
Weight	3 Kgs (Approx)

