TULIP DIAGNOSTICS (P) LTD.

MICROPLATE ELISA WASHER
Lisawash 4000

Microplate ELISA Washer

KEY FEATURES

- Unique three-channel wash system
- Provision of 10 different type of plate settings which facilitate washing of flat, U and V bottom ELISA plates and strips
- Unique Washing System with various options
- Programmable soak time, wash cycle and wash volume
- Plate washing, strip washing and row skip washing
- Cross-wash system & bottom-wash system.
- Storage of 100 wash-programs
- Wash and waste bottles with auto alarm function and liquid-surface detecting system.
- Built in incubator.

TECHNICAL SPECIFICATIONS

Self-Test	Yes
Memory	10 locations for Plate settings 100 program locations
Compatible plates	Polystyrene flat U &V bottom plates & 8 or 12-well strip plate
Manifold	8-Way 12-Way
Wash Bottles	3 bottles x 2 litres.
Waste Bottle	1 bottle x 2 litres.
Rinse Bottle	1 bottle x 2 litres.
Incubator	2-Plate Incubator at 25°C, 30°C and 37°C, Ambient
Operational Specifications	
Washing Options	Plate washing, Strip washing, row-skip washing with Programmable Wash volume: 10 - 3000µl. Soak time: 0 - 23 hours:59 minutes:59 seconds Shake time: 0 - 23 hours:59 minutes:59 seconds
Aspiration/Dispensing or Prime/Rinse options	
Aspiration Speed	Software adjustable (0.1 sec to 10 sec)

Dispensing Speed	Software adjustable
Washing Modes	Cross wash, Bottom wash, Single wash
Residual volume	< 2 µl
Hang-up time	1-120 minutes
Rinsing volume	Software adjustable
Priming volume	Software adjustable
Interface / Display	Bi-directional, RS-232C serial interface. Liquid crystal display with keypad.
Power Supply	110V-220V, 50-60 Hz
Operating Conditions	Temperature: 0°C -40°C, Humidity ≤ 85%
Dimensions	45 cms x 39 cms x 19 cms
Weight	13 kgs
Cat. No.	813LW004000

LIST OF STANDARD COMPONENTS SUPPLIED ALONG WITH THE INSTRUMENT

Components	Qty	Components	Qty
1. Power Cord	1 No.	6. 8-Pin Manifold	1 No.
2. Fuses (3.15A)	2 Nos.	7. Bottles - Wash	3 Nos.
3. Cleaning Wires	2 Nos.	8. Bottles - Water	1 No.
4. User Manual	1 No.	9. Bottles - Waste	1 No.
5. Operation Procedure Card	1 No.		