



IMMUNOASSAY / MICROPLATE WASHING

AUTOMATIC MICROPLATE WASHER

Consistent automated washing for ELISA and microplate workflows.

A proposed ALC-Scientific automatic plate washer based on the AEPW99 reference platform for repeatable washing of 96-well microplates used in ELISA and immunoassay workflows.



PLATE FORMAT 96-well

WASH HEAD 8 / 12 channel

DISPLAY 4.3 in touch

Proposed Model
ALC-AEPW99

Reference
AEPW99 reference

PROPOSED SPECIFICATION SET

Final values, accessories, warranty and compliance require approval against the selected OEM datasheet and ALC model mapping.



OVERVIEW & FEATURES

PRODUCT OVERVIEW

Reliable automated washing for ELISA and microplate workflows.

Programmable aspiration, dispensing and soaking help standardize plate washing while reducing manual handling. The platform supports common flat-, U-, V- and C-bottom microplate formats.

**PLATE FORMAT**

96-well

WASH HEAD

8 / 12 channel

DISPLAY

4.3 in touch

Key Features

- 96-well plate compatibility
- 8- or 12-channel cleaning head
- Programmable 1-99 wash cycles
- Residual-liquid cleaning function
- Three wash-bottle arrangement
- Full-plate or row-by-row modes
- Compact benchtop construction
- Colour touchscreen control

Working Principle

Wash solution is dispensed into selected wells, allowed to soak if programmed, and then aspirated by the wash head. Repeated cycles remove unbound material while controlling residual volume between steps.

TYPICAL APPLICATIONS

ELISA plate washing / Immunoassay laboratories /
Clinical diagnostics support / Biotechnology research /
Academic life-science laboratories



REFERENCE TECHNICAL DATA

Model-specific values require approved OEM confirmation.

PARAMETER	REFERENCE SPECIFICATION
Reference platform	AEPW99
Residual liquid volume	$\leq 1.5 \text{ uL}$
Plate format	96 wells
Wash head	8 or 12 channels
Number of washes	1-99
Washing volume	50-3000 uL
Wash bottles	3
Injection accuracy	$\leq 2\%$ at 300 uL
Soaking time	1 s-99 min
Timer	Available
Display	4.3 in colour touchscreen
Process modes	Full plate / row-by-row
Packing dimensions	453 x 388 x 155 mm, reference

STANDARD SUPPLY

- Main instrument
- Washing head
- Microplate tray
- Wash bottles
- Power cord
- Instruction manual

OPTIONAL /
MODEL-DEPENDENT

- Alternative wash head configuration
- Additional wash bottles and tubing
- Validation documentation
- Spare pump / maintenance kit

TO BE CONFIRMED

- Exact supplied wash head
- Power specification
- Compatible plate list
- Warranty and service scope
- Final accessories



APPLICATIONS & ENQUIRY

LABORATORY APPLICATIONS

A practical platform for professional laboratory workflows.

Applications

- ELISA plate washing
- Immunoassay laboratories
- Clinical diagnostics support
- Biotechnology research
- Academic life-science laboratories
- Microplate sample preparation

Product Advantages

- Automated repeatable washing
- Low residual liquid volume
- Configurable 8/12-channel head
- Programmable wash and soak cycles
- Reduced operator variability
- Compact bench footprint

INDUSTRIES SERVED

Clinical diagnostics / Immunology / Biotechnology / Research institutes / Academic laboratories



SCAN FOR PRODUCT PAGE

Request a model-specific quotation.

Share your application, required range or capacity, preferred configuration, quantity, installation city and documentation needs. Final performance values and accessories are issued with the approved technical datasheet and commercial quotation.

ALC-SCIENTIFIC LABORATORY SYSTEMS

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OEM / PRIVATE LABEL AVAILABLE

Product images are for reference and may vary according to the selected configuration. Specifications, dimensions, accessories and designs are subject to change. Final specifications are those stated in the approved technical datasheet and commercial quotation.