3D-IW8, Inteliwasher

4 CHW Logger

Product video is available on the website

3D-IW8

Inteliwasher **3D-IW8** series microplate washer is designed for washing various types of standard 96-well microtitre plates, microstrips as well as microarrays on FastFRAME (rectangular well shape). It is suitable for washing wells with different bottom shapes: flat, U-shape and V-shape. The unit is fully programmable ensuring multi-step solution ripening, aspiration (aspiration, combination of aspiration/liquid dispensing and soaking, as well as soaking cycle during a particular period of time). Dispense system of liquid dosage for each channel separately.
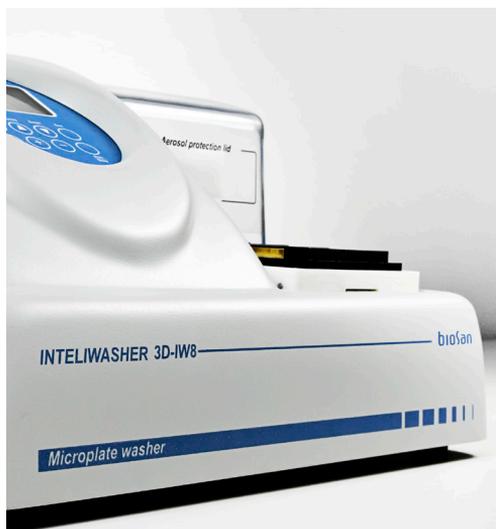
The unit provides:
Washing mode
Rinsing mode
Mixing mode
Single point, two point, circular (circle or rectangular path) aspiration
Possibility of additional solution mixing during time gap between two work cycles
Possibility to use microtest plates by different manufacturers, ensured by automated plate set up (adjusting to different depths of plate wells)
Round-bottom plate and strip washing mode
Possibility of user-defined programs with adjustable parameters

Catalogue number:	
3D-IW8	BS-060102-AAI
4 CHW Logger	BS-060102-AK

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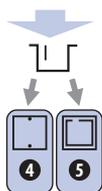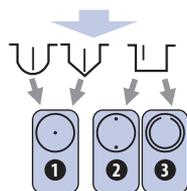Medical–Biological
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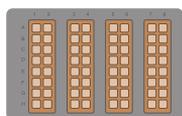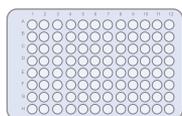The unit has 50 programs divided into 5 following aspiration categories (see figure bellow):

❶ **Type 1** (1.0–1.9) **IPF96 U/V** is intended for round and V-shape immunoplates, 1 point aspiration.

❷ **Type 2** (2.0–2.9) **IPF96 FLAT-2** is intended for flat-bottom shape immunoplates, 2 point aspiration.

❸ **Type 3** (3.0–3.9) **IPF96 FLAT-C** is intended for rectangular shape immunoplates, full-circle aspiration direction.

❹ **Type 4** (4.0–4.9) **FastFRAME-2** is intended for multi-slide plate* with rectangular wells.

❺ **Type 5** (5.0–5.9) **FastFRAME-C** is intended for multi-slide* plate with rectangular wells.

* — The **FastFRAME** (Schleicher&Shuel) multi-slide plate or analog plate of another manufacturer, that is compatible with standard 25×76 mm (1×3 inch) glass slides.

Specifications:	
Minimum dispense volume	25 µl
Maximum dispense volume	1,600 µl
Dispense increment	25 µl
Dispensing accuracy	±2.5%
Allowed residual liquid volume in plate well, not more	2 µl
Number of wells washed simultaneously	8
Number of washing cycles	1–15
Aspiration time	1–3 sec
Final aspiration time	1–3 sec
Aspiration/dispensing speed	3 levels
Max. number of channels in a program	2
Choice of 3 washing liquid bottles	
Soaking time	0–300 sec (increment 10 sec)
Shaking time	0–150 sec (increment 5 sec)
Number of washed rows	1–12
Time of one plate wash (300 µl), not more	65 sec
Number of programs	50
Plate platform and washing head movement	automated
Indication of operation modes	LCD, 8-line
Dimensions (W×D×H)	375×345×180 mm
Weight with accessories	12 kg
External power supply	DC 12 V, 4.16 A
Consumed power, not more	60 W

The unit is designed for use in closed laboratory rooms at temperatures from +10°C to +35°C and relative humidity up to 80% at +25°C decreasing linearly to 50% relative humidity at 35°C.

Logger dimensions (W×D×H)	267×252×97 mm
Logger Weight	3 kg

4-channel washing solution weight logger, **4 CHW Logger** provides automatic control of rinsing solution and waste volumes. The washer shows remaining volume for each bottle as percentage and gives a warning message in case of low solution volume or full waste bottle when **4 CHW Logger** is connected.

4 CHW Logger Specifications:	
Max. loading per scale cup	2 kg
Dimensions	267 × 252 × 97 mm
Weight	3 kg