

# Thermo Scientific Wellwash 4 Mk 2

**The Thermo Scientific Wellwash 4 Mk 2 is an ideal washer for routine ELISA applications for clinical, veterinary, food and agricultural laboratories.**

**The Wellwash 4 Mk 2 offers ease of use and reliability without compromising performance.**

## **Ideal for routine applications**

The pre-programmed wash cards encompass a wide range of user-defined routine protocols for a quick and easy start of washing steps, demanded by routine users.

## **Excellent washing efficiency**

The unique design of the wash heads ensures excellent washing efficiency and contamination-free washing results needed in routine ELISA applications.

## **Flexibility for routine and research applications**

A wide selection of washing programs, interchangeable 8- and 12-way wash heads and a quick change of buffer solutions allows rapid switching from one protocol to another, enabling flexibility in research work.

## **IVD compliance package**

The Wellwash 4 Mk 2 complies with the IVD (in vitro diagnostics) Directive 98/79/EC (not valid for North America), which makes it ideal for clinical customers running diagnostic assays.

**Ordering information and technical specifications, see page 30.**



**Reliability and ease of use for routine ELISA applications.**

# Technical Specifications and Ordering Information

Thermo Scientific Wellwash AC and Wellwash 4 Mk 2			
	Wellwash AC	Wellwash AC Big Bottles	Wellwash 4 Mk 2
<b>Washing features</b>			
Wash volume	50 - 1000 µl in 50 µl increments	50 - 1000 µl in 50 µl increments	50 - 750 µl in 50 µl increments
No of washing cycles	1 - 10 cycles	1 - 10 cycles	1 - 15 cycles with programmable card
Residual aspiration volume	≤ 3 µl with normal aspiration mode ≤ 1 µl with sweep aspiration mode	≤ 3 µl with normal aspiration mode ≤ 1 µl with sweep aspiration mode	≤ 5 µl
Soaking time	1 - 60 min	1 - 60 min	1 - 10 min
Wash time	100 s, 3 x 350 µl with 2 x 12-way wash head; 140 s, 3 x 350 µl with 2 x 8-wash head	100 s, 3 x 350 µl with 2 x 12-way wash head; 140 s, 3 x 350 µl with 2 x 8-wash head	120 s, 3 x 350 µl with 12-way wash head 165 s, 3 x 350 µl with 8-way wash head
Priming and rinsing volume	5-100 ml in 5 ml increments	5-100 ml in 5 ml increments	15-20 ml
<b>General features</b>			
Plate Type	96-well plate	96-well plate	96-well plate
Wash heads	8-, 12-, 16-, 24- way	8-, 12-, 16-, 24- way	8- and 12- way
User Interface	Keyboard with LCD screen	Keyboard with LCD screen	Wash program cards, programmable card
Program memory	99 programs	99 programs	NA
Shaking	Yes (orbital)	Yes (orbital)	NA
Containers	Wash bottle 2 x 2 l, rinse bottle 1 l, waste bottle 4 l	Wash bottle 2 x 4 liter, rinse bottle 2 liter, waste bottle 10 liter	Wash bottle 2 l, waste bottle 2 l
Robot compatibility	Yes	Yes	No
Dimensions (W x D x H)	540 x 530 x 390 mm, includes bottle module 21.3 x 20.9 x 15.4 in.	640 x 670 x 500 mm, includes bottle module 25.2 x 26.4 x 19.7 in.	410 x 220 x 120 mm (washer unit) 16.1 x 8.7 x 4.7 in. 300 x 180 x 160 mm (pump unit) 11.8 x 7.7 x 6.3 in.
Weight	13 kg (28.7 lbs.)	14.8 kg (32.6 lbs.)	10 kg (22 lbs.)
<b>Ordering Information</b>			
<b>Cat. No</b>	<b>Description</b>		
5160770	Wellwash 4 Mk 2, 220 - 240 V 50 Hz		
5160772	Wellwash 4 Mk 2, 110 - 120 V 60 Hz		
5161020	Wellwash AC, 100 - 240 V 50/60 Hz		
5161030	Wellwash AC Big Bottles, 100 - 240 V 50/60 Hz		