Your guide to
good washing practice

Improve your washing with Thermo Scientific Wellwash microplate washers

Wellwash & Wellwash Versa microplate washers

- Versatile and affordable washers
- Wash 96-and 384-well plates for a wider range of applications
- Easy to use – large color display
- Safe and secure performance via non-pressurized wash and waste bottles
- Reliable results with extremely low residual volumes
- Quick and easy transfer of protocols between washers

Optimal washing

- Check aspiration height: let the wash head go to the bottom of the well (use the default values)
- Check aspiration speed: use the high speed setting
- Check well off-set: set this to be a little off-center (0.5-1.0 mm for flat bottom plates)
- Check that the wash head tips are not clogged
- Check that the dispensing volume is correct

Safety

- Liquid level sensors in wash and waste bottles guarantee safe performance
- Plate sensors recognize if a plate is present or not
- Non-pressurized bottles minimize the risk of spillage and prevent the washing liquid from being drawn into the aspiration pump
- Aerosol resistant cover prevents aerosols of infectious diseases from spreading

Reliablility

- After using the instrument, set the automatic rinse feature to operate in a specified time sequence so the liquid channels do not get clogged
- Use the auto-prime feature to dispense a small amount of liquid at a selected time interval, if the instrument is not used for a couple of hours during the day

Versatility

1. USB port enables transfer of protocols between washers or to PC for printing
2. Non-pressurized system enables use of your own bottles, simply disconnect the tubing and insert into your own bottle
3. Wellwash Versa can be equipped with a specially-designed wash head for the gentle washing of cells*
4. Wellwash Versa is supplied with a 1x16 wash head for 384 well plates

* Specially-designed cell washing head works in combination with easily adjusted wash parameters of the Wellwash Versa to remove excess liquid gently without disturbing the cell layer; critical for cell washing applications

Troubleshooting

If residual volume is too high:
- Adjust the aspiration height for this plate
- Adjust the aspiration speed
- Use the sweep aspiration mode
- Clean the tips with the de-clogging tool
- Rinse the wash head with distilled water
- Check that the wash head is properly fitted

If dispensing volume is too low:
- Clean the inlet filter in the wash bottle
- If wash head or well type have changed, check that the step parameters have not been reset to default
- Clean the tips with the de-clogging tool
- Rinse the wash head with distilled water
- Recalibrate the instrument

If dispensing volume is too high:
- If wash head or well type have changed, check that the step parameters have not been reset to default
- Recalibrate the instrument

More Thermo Scientific ELISA products

- Microplate readers
- Microplate washers
- Microplate incubators/shakers
- Reagent dispensers
- Multichannel pipettes
- Nunc microplates
- ProSpecT range of ELISAs for viruses, parasites and bacteria
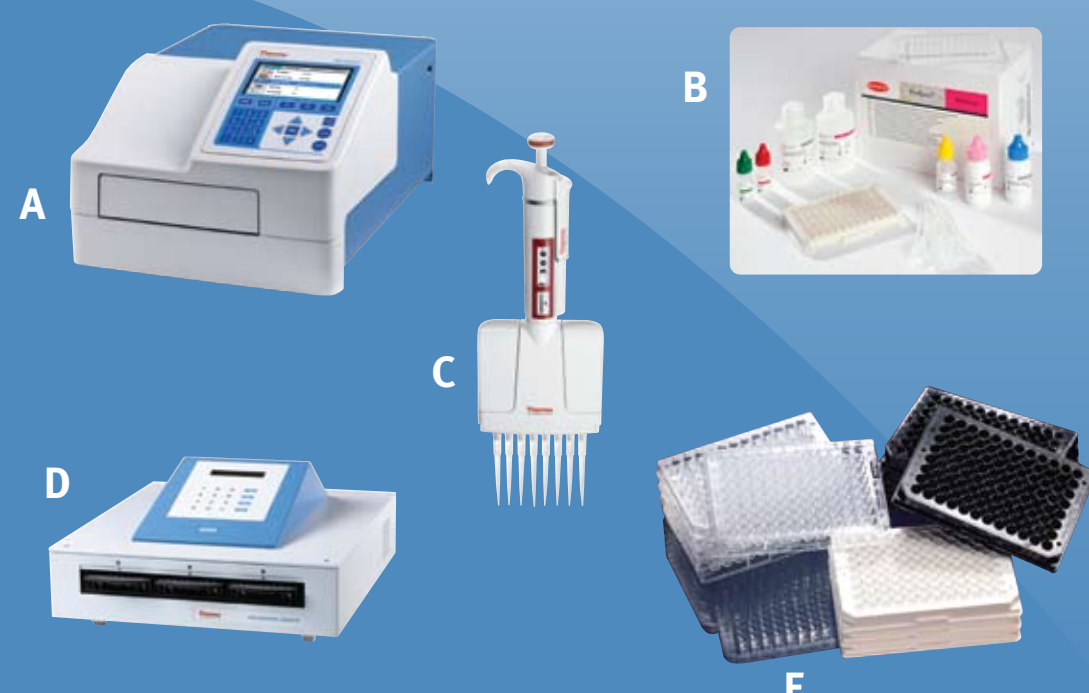
A: Multiskan FC B: ProSpecT range of ELISAs
C: Finnpipette F1 D: iEMS Incubator/Shaker E: Microplates

Maintenance

Daily maintenance:
- Before using the washer for the first time during the day, prime the system; check there is liquid coming through all tips
- After using the washer, always flush the liquid channel(s) with distilled water to prevent clogging

Regular and consistent maintenance:
- To clean the wash head, go to Maintenance menu and select Clean and then Clean the wash head
- Clean the containers using a mild detergent: the liquid containers and tubes, plus tube connectors, can be autoclaved up to ten times
- When necessary, clean the outside of the instrument and plate carrier with a soft cloth dampened with water or mild detergent
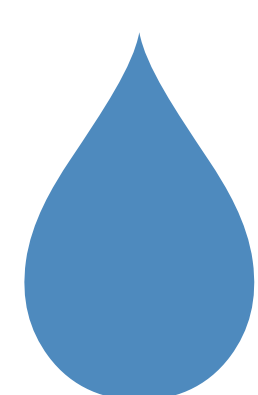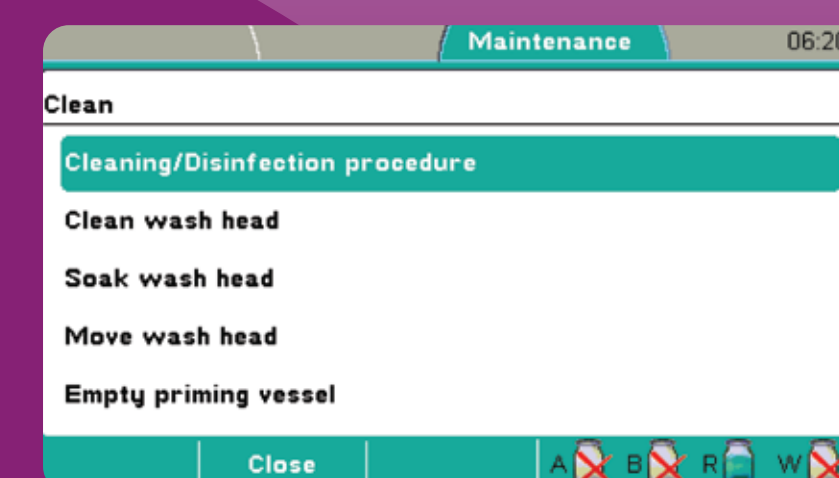
Get your complete online **Good Washing Guide** and test your washing skills with the **Good Washing Challenge** at:

www.thermoscientific.com/wellwash

Thermo
SCIENTIFIC
Part of Thermo Fisher Scientific