

## Instruction for manual washing procedure for microplates

The microplates in Mercodia ELISA kits can be washed manually with good result if an automated plate washer is unavailable.

### Materials and equipment

- Mercodia Wash Buffer 21x
- Redistilled water
- Wash bottle (distilled water bottle, plastic squeezable type with spout)
- Absorbent paper

### Procedure

1. Dilute Wash Buffer 21x according to Directions for Use. Transfer the diluted washing solution into a plastic wash bottle. The opening of the bottle is preferably wider than pen-size to ensure easy handling.
2. Invert the microplate over a sink and shake briskly to remove most of the liquid from the wells.
3. Hold the plate vertically over a sink and fill the wells by spraying wash buffer into the wells with the wash bottle.

Due to the orientation of the plate, wash buffer will flow out of the wells during the procedure. The overflow is an advantage as it insures proper washing. The overflow will not cause contamination between wells. Extra washing solution may be obtained upon request if needed.

4. Invert the plate over the sink and shake to remove the liquid.
5. Repeat steps 3-4, five times for a total of six washes.
6. Invert the plate after the sixth wash and tap firmly several times against absorbent paper to remove excess liquid. Wipe any residual liquid off the bottom of the plate using kimwipes or lens paper.

The procedure could also be performed with a multi-channel-/repeater pipette. For step 3, hold the plate upright and add 350  $\mu$ L wash buffer to each well. Aside from step 3, follow the same procedure as described above.