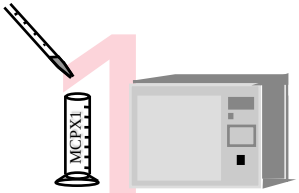
FISH CE

BioVisible Microbial Diagnostics

Prepare & Prewarm



Prepare MCPX1-buffer and MCW1-buffer . Pre-warm the MCW1-buffer and the hybridization mixture to 50°C.

Suspend

Suspend the bacterial sample in MCPX1-buffer with glass beads and vortex. Centrifuge for 1min at 80 x g (low spin) to remove debris.

Fix & Wash

Fix the supernatant with fixative at 4 °C. Wash the cells with MCPX1-buffer.

Dehydrate

Resuspend the pellet in Solution A. Dehydrate the cells.

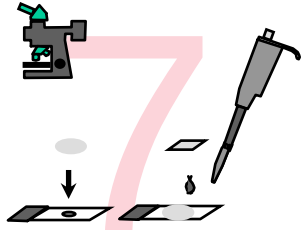
Hybridize & Wash

Hybridize the cells at 50°C (4-16 hours). After hybridization wash the cells in pre-warmed MCW1-buffer.

Filtrate

Filter the hybridized and washed bacteria onto a polycarbonate membrane filter by using a suitable filtration device.

Quantification



Pipette 6 µl of mounting fluid on a microscope slide. Place the filter on the droplet. Apply 6 µl of mounting fluid on top of the filter and cover with a Cover-glass. Enumerate by epi-fluorescence microscopy

Calculation

Calculate the number of bacteria per gram sample.