

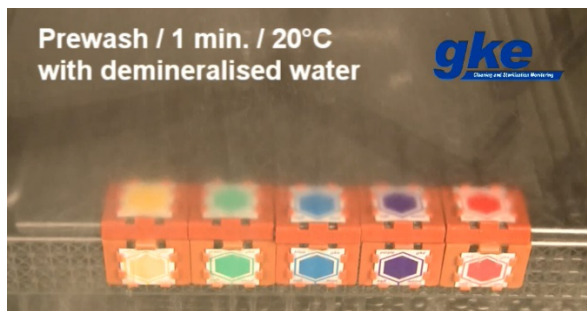
## Description of a test run in a washer disinfector (WD) by using detergent „A“ with **gke** cleaning process monitoring indicators

### Test run 1 with detergent A

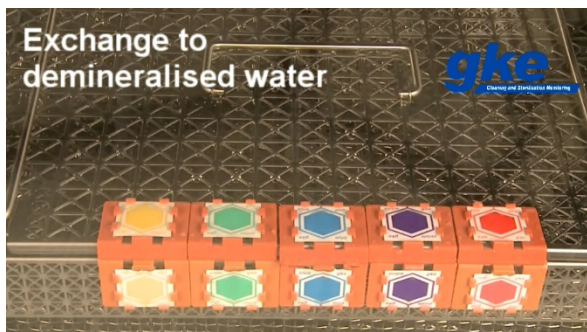


Five **gke** cleaning process monitoring indicators are placed horizontally and sprayed directly.  
Five **gke** cleaning process monitoring indicators are placed towards the front and are sprayed indirectly with the reflected water of the glass door.

The program will be started.



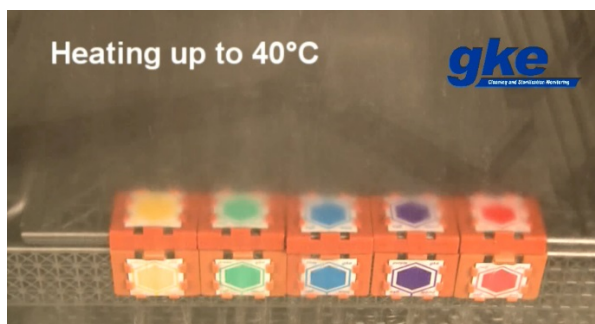
Prewash 1 min at 20° with demineralised water.



End of prewash and pump out of the rinsing water.

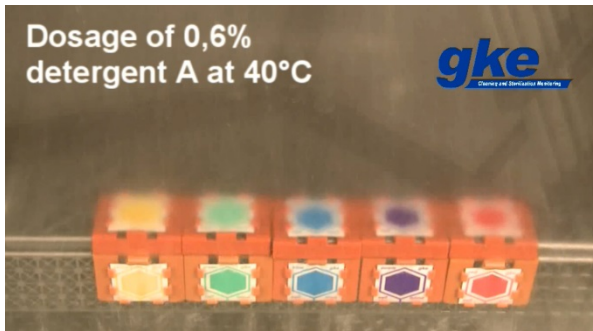
All **gke** cleaning process monitoring indicators are unchanged.

→ The indicators will not be washed off by only using water without any detergent.

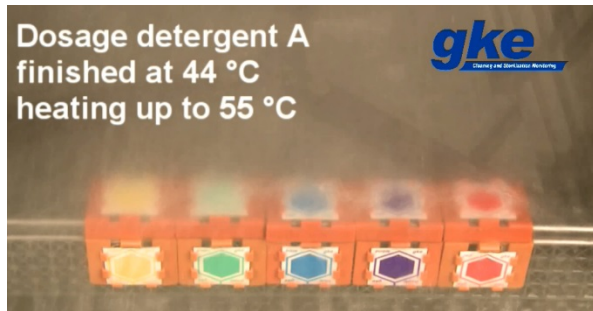


Heat to 40 °C.

Before dosage of the detergent at 40 °C the cleaning process monitoring indicators are unchanged and not washed off at all.



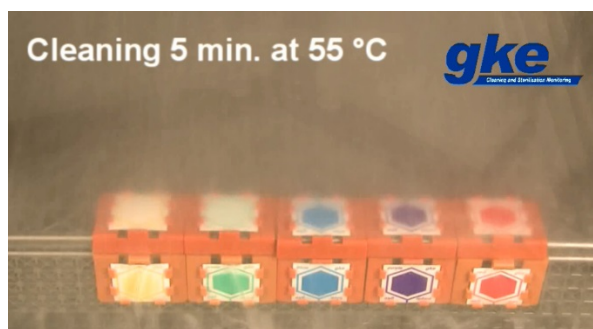
Dosage 0.6% at 40°C. At the time of dosage the cleaning process monitoring indicators are unchanged.



Detergent dosage is finished at 44 °C, afterwards heat to 55 °C.

The yellow indicator with direct spray conditions is first washed off, the green one follows.

Both indicators show an enormous difference between direct and indirect spray conditions.



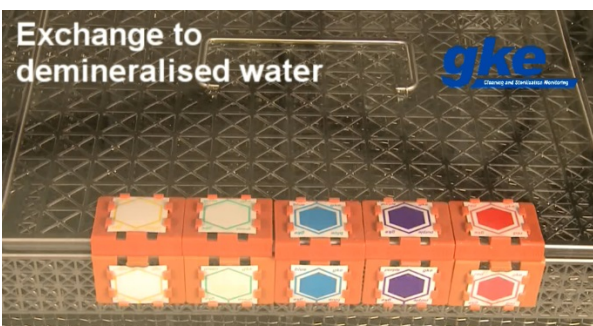
Cleaning for 5 min at 55°C

The yellow indicator on top and the one to the front are fully washed off. The green indicator on top is completely washed off, the green one towards the front is not completely washed off.

Wash-off order:

1. Indicator, yellow, top
2. Indicator, green, top
3. Indicator, yellow, front

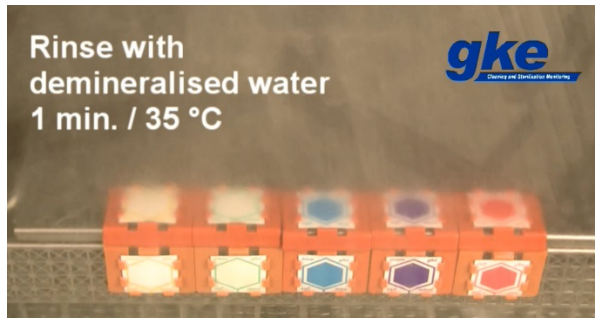
Pump out water



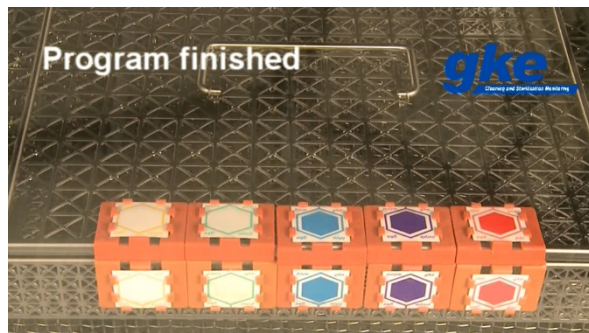
→ The green indicator would be recommended for monitoring of this process. If sprayed directly (from top), the detergent is able to just wash off the indicator. If sprayed indirectly (front), the indicator still “shows” colour.

The green indicator would show differences in dosage failures and spray shadows.

The yellow indicator would also be too easy, the blue and red one are too challenging for this process.



Final rinsing with demineralised water



End of program.

The final rinse will not change the test result of the cleaning process monitoring indicator.