

# GKE Sterilization

## Color Reference Chart

GKE PROCESS AND BATCH MONITORING

(121°C, 15 min | 134 °C, 3 min)

**STEAM**

### PASS RESULT

The batch can be released when all four color bars of the indicator have turned black (see image) and all other critical process parameters such as temperature, pressure and sterilization time correspond to the specifications.



Complete air removal and steam penetration  
All color bars black

### FAIL RESULTS



Incomplete air removal and steam penetration.  
The color bars at one end become lighter towards one end.



Temperature exposure, but poor air removal and steam penetration.  
All color bars are darkened, becoming brownish but not black.



Neither temperature exposure nor air removal nor steam penetration.  
All color bars have retained the original yellow colour.

### Technical notes:

A failure in the test cycle must be repeated. If the test result is confirmed, the cause must be determined.

A sterilizer defect may result in inadequate air removal or leakage. External causes may be unflushed steam lines at the start of the process, non-condensable gases mixed with steam, deviating cooling water temperature, etc.

