

Colour reference chart for *gke* Process Monitoring Systems (PMS) for hydrogen peroxide-(H₂O₂)/plasma sterilization processes

PASS RESULTS

The batch can be released if all four colour segments of the processed indicator are green (mint green) as shown below to ensure sufficient hydrogen peroxide penetration, and if all other critical process parameters such as temperature, pressure and sterilization time are in accordance with the cycle reference.



all colour segments are green

→ sufficient hydrogen peroxide/plasma penetration

FAIL RESULTS

The example shown below demonstrates insufficient hydrogen peroxide penetration which may be due to various reasons (see note below). If the result shown below is found after a sterilization process, the respective batch must not be released and requiring re-processing.



all colour segments are blue

→ no or insufficient hydrogen peroxide/
plasma penetration

Note

A failure of the batch monitoring test is not a conclusive proof that the fault is necessarily associated to the sterilizer itself (insufficient air removal or leakages), but may well be due to external causes such as insufficient hydrogen peroxide/plasma supply. Therefore, a re-sterilization might show different results.

IMPORTANT NOTICE

If the indicators have turned green before sterilization, it is an indication of wrong storage or expired indicators. These indicators should not be used anymore.

If an indicator strip without test device turns to green in the sterilizer (see above „pass conditions“) but not in the test device it is an indication that there is not sufficient hydrogen peroxide/plasma inside the PCD, so the process is not suitable to ensure sterilization of such inner lumens of hollow instruments, tubes or minimal invasive surgical instruments.

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