

In-Office Biological Indicator for Monitoring Steam Processes

PROCESSING

- 1** Note the sterilizer number, load number and processing date on the BI label.



- 2** Place the BI inside an instrument tray, peel pouch or AAMI challenge pack, whichever is representative of the load being processed.



- 3** Test the most challenging area in the sterilizer (i.e. bottom shelf near the door, over the drain of a large sterilizer or on the middle shelf of a smaller sterilizer).



- 4** Process the load according to the sterilizer manufacturer's instructions.

- 5** Check the STEAMPlus® integrator to see if the bar entered the SAFE area. SAFE area indicates parameters for sterilization have been met and the load may be released. If the dark bar has not entered the SAFE area, do not release the load and report to your supervisor immediately. Record results in a sterilizer record notebook.



- 6** Retrieve the BI and confirm the chemical indicator printed on the label has turned BROWN. Wait 10 minutes before crushing. Failure to do so could cause the glass ampoule inside the BI vial to burst which may result in injury. For this reason, safety glasses should be worn when handling and crushing a processed BI.



ACTIVATION and INCUBATION

Activate the processed BI by crushing the inner glass media tube using a built in vial crusher (if available) or separate vial crusher device.



Step 1



Step 2



Incubate at 55°-60°C for 24 hours checking for spore growth (visual color change from purple to yellow) at regular intervals (i.e. 3, 5, and 8 hours).



TEST RESULTS

Record negative (no spore growth) results after full incubation in a sterilizer record notebook. No color change in the purple media after processing indicates proper sterilization.



Any positive result (growth indicated by purple to yellow color change), should be reported immediately to a supervisor and the sterilizer taken out of service until resolved.

USE of CONTROLS

- As a Control, an unprocessed BI (from the same lot) should be crushed and incubated each time the sterilizer is tested. Positive results are expected and should be reported.
- The use of a Control verifies that the BI is viable and the incubator is working properly.



Ordering Information

Steam Sterilizer Monitoring Starter Kit

Contains SporView® Self-Contained Steam BI (25/bx), STEAMPlus® Sterilization Integrators (100/PK), 3/4" Steam Indicator Tape, Dry Block Incubator with built in vial crusher, Biological Record Notebook, Educational CD-ROM and Wall Chart.

Reorder No.	Description	UOM
SCS-025	SporView® Self-Contained Steam BI	25/bx
SCS-100	SporView® Self-Contained Steam BI	100/bx
SSI-100	STEAMPlus® Sterilization Integrator	100/pk
ST-048	3/4" Steam Indicator Tape	rl
NDB-060	55-60° C 11mm Dry Block Incubator	ea
RN-025	Sterilizer Record Notebook	ea

STORAGE and DISPOSAL

- Store at controlled room temperature as defined by USP.
- Do not store near sterilants or other chemicals. Do not refrigerate.
- Do not use beyond stated shelf-life which is indicated on each box.
- Negative (no growth) BI's can be disposed of as normal waste; however, positive BI's (growth) should be autoclaved at 250°F/121°C for at least 30 minutes prior to disposal.



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