

CLASS 5

Steam Chemical Integrator



Steam sterilization has been used for over 100 years. Decades of research have shown that the integrity of a steam sterilization process is the function of three basic parameters: time, temperature and the presence of saturated steam. All three are critical for effective steam sterilization.

The importance of saturated steam is faster sterilization than dry heat. For example, dry heat sterilization requires a sterilization time of 60 minutes at 160°C, while steam sterilization at the same temperature would take less than a minute. That's why 4A Medical developed Class 5 steam integrator to measure 3 critical parameters.

Steam Chemical Integrators are chemical indicators consisting of

a paper wick and a steam and temperature sensitive chemical pellet contained in a paper/film/foil laminate. The chemical pellet melts and migrates as a dark color along the paper wick. The migration is visible through a window marked REJECT or ACCEPT. The extent of migration depends on steam, time,

The dynamics of steam prove the need for accurate monitoring of internal sterilization conditions. Pack control is the use of chemical indicators for the internal monitoring of packs, trays, containers, and peel pouches. Internal chemical indicators should be used inside each type of packaging to address the potential for interference with proper steam sterilization conditions in all of these types of packaging.

Instruction For Use

- 1 - Place unprocessed steam chemical integrator in each pack and place the pouch, container system or tray into the sterilizer.
- 2 - Process the load according to sterilizer manufacturers instructions.
- 3 - Release the load if the dark bar on the Steam Chemical Integrator has entered the blue ACCEPT area. If the dark bar has not entered into the blue ACCEPT area, DO NOT release the load.



Store unopened and resealed packages at room temperature [15-30°C]. Store away from direct sunlight. Do not store near strong alkaline or acidic products such as cleaning/disinfecting agents. After use, the indicator will not change visually within 6 months when stored at above conditions. Steam Chemical Integrators contained in an unopened package have a 5 year shelf life from the date of manufacture when stored at recommended conditions.

4a medical[®]
producing health for the world

Balıkhisar Mahallesi Köyiçi
Serpimeri No:795
Akyurt 06750
Ankara Turkey

STERIMAXX INC

"A reliable partner in Sterilization !!!"

A/55 Shankesh Bldg, Sanghvi Nagar,
Mira Bhayander Road, Mira Road (East).
Thane 401 107 Maharashtra, INDIA.
Cell: +91 9987 51 4946.

sterimaxx@gmail.com. www.sterimax.com