



Class 5 Integrating Indicator Strip

Integrating Performance. Biological-Indicator Correlated. · SKU KD-IS-ST5

Type 5 integrating indicator for steam sterilization. Responds to all critical variables (time, temperature, saturated steam) with performance correlated to a biological indicator — the highest level of chemical monitoring for pack release.

Class 5 integrating indicators are the most demanding chemical indicators defined in ISO 11140-1. They respond to all critical parameters of steam sterilization over a specified range of cycles, and their stated values are chosen to be equivalent to or exceed the performance requirements of a biological indicator.

Placed inside packs and trays, the strip gives an immediate, pack-by-pack indication that sterilizing conditions were achieved at that location, complementing periodic biological monitoring and providing documentation for quality records.



Specifications

Product Name	Class 5 / Type 5 Chemical Steam Integrating Indicator Strip
Indicator Type	ISO 11140-1 Type 5 integrating indicator
Strip Size	15 mm × 85 mm
Packing	200 strips per box
Sterilization Method	Saturated steam — 121 °C / 20 min or 134 °C / 4 min
Variables Monitored	Time, temperature and saturated steam (all critical variables)
Colour Change	Yellow → black
Compliance	ISO 11140-1 Type 5, manufactured under ISO 13485; CE
Shelf Life	3 years from date of manufacture
Storage Conditions	Store at 15–30 °C, < 60 % RH, away from sterilants and direct light

Features

Integrating (Type 5) · BI-correlated performance · Reference colour printed · Non-bleeding ink · Implant load release

How to use

- Place one integrating strip inside each pack or in a process challenge device for load release.
- Run the validated steam cycle (121 °C / 20 min or 134 °C / 4 min).
- Check that the indicator has reached the printed accept colour. Record the result in the sterilization log.

Applications

Routine pack control in CSSDs, release of non-implant loads, monitoring of implant loads in conjunction with biological indicators, and dental or laboratory autoclaves.

Packaging & shipping

Strip size	Packing	Boxes / carton	Carton size (mm)
15 × 85 mm	200 strips/box	100	400 × 300 × 250



Compliance

ISO 13485, ISO 11140, CE. Manufactured under an ISO 13485 quality management system. Certificates and test reports available on request.

FAQ

Can a Class 5 integrator replace a biological indicator?

No. Integrators provide immediate pack-level information, but biological indicators remain the reference for sterility assurance and should be used at the frequency required by your national guidelines, and with every load containing implants.

Request a quotation: <https://kangdemed.com/request-quote?product=class-5-steam-indicator-strip> · Jason.wangxiaokang@gmail.com · WhatsApp +86 199 5663 5178