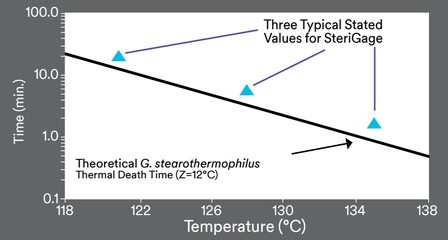
Engineered to deliver immediate and accurate pack-by-pack steam sterilisation assurance.

Their response approximates those of Biological Indicators (BI's) in ideal steam conditions.

Type 5 Chemical Integrators – such as 3M™ Attest™ Chemical Integrators – are required to correlate with a BI at three time/temperature relationships: 121°C, 135°C and at least one temperature in between, such as 128°C. In addition, the stated value at 121°C must be greater than 16.5 minutes. This requirement ensures that chemical integrators do not change too quickly or inappropriately at these lower temperatures.

Type 5 Integrating Indicator as defined by ISO 11140-1:2014
3M™ Attest™ Chemical Integrator results correlate with a BI at three time/temperature relationships.

Integrating Indicator versus Biological Death Curve



Examples of integrator placement in packs and trays

Place an integrator in the geometric center of each wrapped pack, peel pouch or unwrapped tray to be steam sterilised. In rigid containers, place an integrator in two opposite corners of each level. In multi-level wrapped containers supplied by the manufacturer, place an integrator in the center of each level.

Ordering Information

3M™ Attest™ Chemical Integrators for Pack Control

Catalog Number	Product Name	Size	Items/ Bag	Bags/ Case
1243A	3M™ Attest™ Chemical Integrator	2 × 3/4" (5.1 × 1.9 cm)	500	2
1243B	3M™ Attest™ Chemical Integrator	2 × 3/4" (5.1 × 1.9 cm)	100	10
1243RE	3M™ Attest™ Chemical Integrator with Extender	9 × 3/4" (22.9 × 1.9 cm)	500	2

For specific indications for use refer to the product IFU.

- **Available with extender for easy retrieval from pack in the OR**
- **Not constructed with raw materials that are known to contain lead**

Also availble

3M™ Attest™ Super Rapid or Rapid 5 Steam Plus Test Pack

- All loads containing implants
- Routine steriliser efficacy testing
- Steriliser qualification testing

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Medical Solutions Division
Bldg A, 1 Rivett Road
North Ryde NSW 2113

Phone 1300 363 878
Web www.3M.com.au/healthcare

3M New Zealand Limited
Medical Solutions Division
94 Apollo Drive
Rosedale Auckland 0632

Phone 0800 80 81 82
Web www.3M.co.nz/healthcare

AV011483839

3M Science. Applied to Life.™

3M™ Attest™ Chemical Integrators for Steam Sterilisation Cycles

Accurate results. Instantly.

Advanced integrator technology that's easy to read and use

How do you know what is happening inside your pack?

3M™ Attest™ Chemical Integrators in Packs, Trays, Containers and Peel Pouches provide assurance that they have all been exposed to the conditions necessary for sterilisation to occur.

Why
is pack control important?

Internal pack monitoring verifies that the sterilant has penetrated to the point of placement in the pack and confirms that the specific exposure conditions have been met. By using internal chemical indicators you can detect “local” problems that sometimes occur due to human error, steriliser malfunctions or sterilant quality problems.

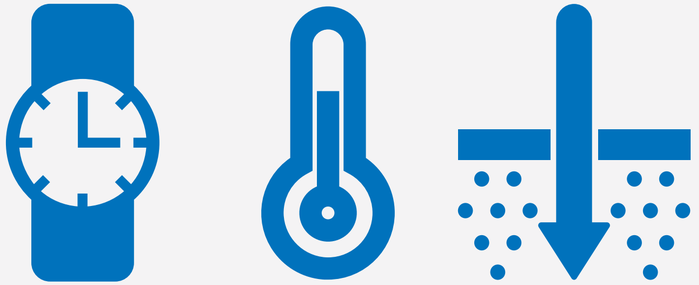
What
causes pack control failure?

Pack Control failure can be caused by a number of things:

- An air pocket in the steam steriliser or a small leak in the vacuum system
- Poor quality or not enough sterilant
- The pack itself may be wrapped too densely
- The load is packed too tightly for the sterilant to penetrate

The **power** of **3**.

3M™ Attest™ Type 5 Chemical Integrators monitor **ALL critical steam sterilisation parameters:**

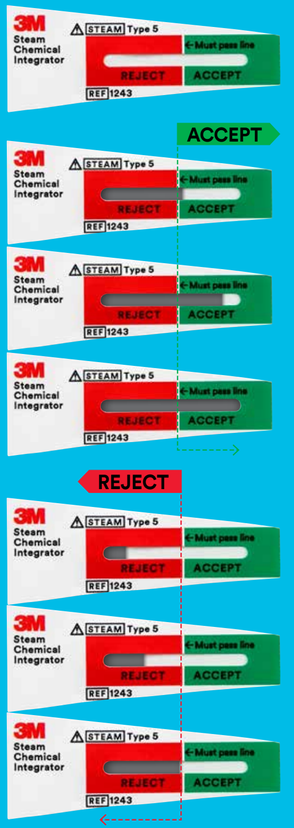


Time | Temperature | Steam penetration

- **Tested to be equivalent to, or exceed** the performance of Biological Indicators (ISO 11138-1:2017).
- **For use in all sterilisation cycles from 121˚C-135˚C,** therefore eliminating the need to identify correct Type-6 cycle-specific emulating indicator and reduces your chemical indicator inventory.
- **Helps prevent costly infections** Identifies non-sterile instruments before they enter the sterile field.
- **Minimises recalls and reprocessing** Helps identify sterilisation process failures by isolating individual pack problems.
- **Compliance with ISO 11140-1:2014**

“Accept” or “Reject” at a glance with moving front ink technology helping eliminate guesswork

Requires no colour change interpretation.



Unprocessed

Processed – ACCEPT

The colour bar has reached the **ACCEPT** window in all three samples shown here, indicating that the necessary conditions for sterilisation have been met. **If the colour bar crosses into the ACCEPT region, it is considered a pass.**

Processed – REJECT

The colour bar is in the **REJECT** window, indicating that the necessary conditions for sterilisation have not been met. The pack should be reprocessed and the cause of sterilisation failure should be investigated.
If the colour bar is in the REJECT region or right on the line, it is considered a fail.