



BI: CSSD Sterilization Monitoring Solutions

ZHEJIANG TAILIN BIOENGINEERING CO.,LTD



Rapid/Ultra-rapid Self-contained Steam BI

◎ Application

Rapid and ultra-rapid self-contained BIs are designed for fast monitoring of steam sterilization effectiveness. After sterilization, the indicators are incubated in the HTY-RBIR100 Rapid BI Reader, which determines the result based on fluorescence signal changes. Ideal for hospital operating rooms, CSSDs, and other healthcare facilities.

◎ Standards & Guidelines

Biological Indicators: ISO 11138-1, ISO 11138-3, ISO 11138-8.

Testing & Application: ISO 18472, ISO 17665.

Rapid Self-contained Steam BI

Designed for fast monitoring of steam sterilization effectiveness in hospital operating rooms, CSSDs, and other healthcare facilities. Suitable for 121°C, 132°C, and 134°C steam sterilization cycles.

Parameter

Model	SS6-121R
Organism	<i>Geobacillus stearothermophilus</i> ATCC 7953
Spore Population	1×10 ⁶ –5×10 ⁶
Storage	2–25°C
Shelf Life	12 months
Packaging	50 pcs/box



3h

The results can be read within 3 hours.

Ultra-Rapid Self-contained Steam BI

Designed for rapid monitoring of steam sterilization effectiveness in hospital operating rooms, CSSDs, and other healthcare facilities. It's particularly suitable for scenarios where implants and emergency surgical instruments need to be released quickly.

Parameter

Model	SS6-121S
Organism	<i>Geobacillus stearothermophilus</i> ATCC 7953
Spore Population	1×10 ⁶ –5×10 ⁶
Storage	2–25°C
Shelf Life	12 months
Packaging	50pcs/box



30min

The results can be read within 30 minutes.

Ultra-Rapid H2O2 Low-Temperature Plasma BI



◎ Application

Designed for fast monitoring of low-temperature hydrogen peroxide plasma sterilization. After sterilization, the indicators are incubated in the HTY-RBIR100 Rapid BI Reader, providing fluorescence based results within 15 minutes. It's widely used for **ultra-rapid monitoring of low-temperature plasma sterilization effectiveness** in hospital operating rooms, CSSDs, and other healthcare facilities.

◎ Standards & Guidelines

ISO 11138-1:2017 — Sterilization of health care products — Biological indicators — Part 1: General requirements.
ISO 18472:2018 — Sterilization of health care products — Biological and chemical indicators — Test equipment.

◎ Parameter

Model PS6-023S

Organism *Geobacillus stearothermophilus* ATCC 7953

Spore Population $1 \times 10^6 - 5 \times 10^6$

Storage 2-25°C

Shelf Life 12 months

Packaging 50pcs/box



🕒 15min

The results can be read within 15 minutes.



Rapid BI Reader HTY-RBIR100

The Rapid BI Reader detects the inactivation of self-contained biological indicators, enabling rapid assessment of sterilization effectiveness across various sterilization systems.

- Automatic BI Type Recognition – Supports simultaneous incubation of different BI types
- 7-inch Color Touchscreen – Features timer alerts and intuitive status monitoring
- 16-Well Simultaneous Detection – Improves testing and verification efficiency
- HIS/CSSD System Integration – Supports comprehensive data traceability



Step 1

Place the BI in the test area.



Step 2

Remove the BI and press down the cap.



Step 3

Use the Rapid BI Reader to crush the ampoule.



Step 4

Insert the BI into the machine and start fluorescence detection. Results can be read within 15 minutes.

Other Sterilization Monitoring Products

Product Type	Sterilization Method	Product Name
Chemical Indicator	Steam	121°C Steam Sterilization Chemical Indicator Card
		134°C Steam Sterilization Chemical Indicator Card
		Type 5 Integrating Indicator Card(Internal Pack)
		Type 5 Integrating Indicator Card(External Pack)
	Hydrogen Peroxide	Hydrogen Peroxide Sterilization Chemical Indicator card
	Ethylene Oxide(EO)	EO Sterilization Chemical Indicator card
B-D Test Pack	Steam	B-D Test Pack
		B-D Early Warning Pack



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