



UGAIYA

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UGAIYA



Rapid Readout Biological System

- ★ Rapidest Operation
- ★ Most Accurate Readouts
- ★ Globe Top Technology



Steam



Steam



Steam



VHP



EO



LTSF



Auto Reader

Ugaiya Rapid Reader adopts spectrum analysis technology to monitor the fluorescence changes of the Bacillus Stearothermophilus with special enzyme to rapidly judge whether there is surviving spores. The Reader is compatible with most popular rapid readout biological indicators in the market and can be used to validate the sterilization efficacy of sterilizers. The Rapid Reader is able to make judgments within 20~240 minutes to ensure implantation operations can be carried out in time, and in the meantime, a report can be printed for traceability.

UG-AR400 Reader For 6 Types B.I.

UG-AR100 Reader For 60min steam B.I.



UG-AR300 Reader For 180min steam B.I.

UG-AR500 Reader For 240min EO B.I.



Features

Language

- Multiple languages.

Indication Light

- Incubation status and working status of the incubator can be shown by the indication light.

Display

- Incubation time and temperature are displayed at the same time for convenient checking.

Progress Checking

- Display the current status, incubation countdown, fluorescence strength (percentage) and incubation result.

Advantages



Smart Recognition

- Most non-BI articles can be recognized.
- Available BI can be indicated automatically, without manual confirmation. If you want to check during the process, put it back within specific time, the system will continue to incubate.
- Touch the screen to stop the alarm.



Smart Cloud Service

- Possibility of user change with incubations in progress.
- Incubation and sterilization record can be associated and checked by IE Browser & PC software.



Smart Monitoring

- Open communication protocol compatible with traceability system for instant reporting.



Smart Checking

- History incubation record can be checked by associated monitoring software.
- History report can be customized and printed.



Smart Alarm

- Instant self-test, fault safety protection.
- Visual and sound alarm for fault and result.



Smart User-Friendly Design

- With an easy handling as well as a clear and well arranged display for real-time monitoring of the incubation process.



Incubator

UG-AI400 Incubator For 24~48H B.I.



Advantages

Safety

- Double temperature control to limit temperature safely.

Smart Checking

- Equal temperature automatically without deviation and no need to calibrate.

Smart User-Friendly Design

- Incubation rack is dismountable mobile and rotatory.

Features

Automatically

- Automatic malfunction detecting and error code display.

Display

- Real time temperature display.
- LED display.

Saving

- Average power: 8W .

Parameters

	Model	UG-AI400
Electrical Data	Rated Power(W)	25
	Power Supply	DC 12V 3A
Functions	Temperature Range	From Temp. Room to 80 degree
	Warming-up Time(from 20 to 56degree)	About 10mins
	Temp. Precision	±0.5°C
	Display Precision	0.1 °C
	Incubation Slots	12~19
Dimensions	Screen	LED
	Net Weight(kg)	1.2
Power Adaptor	Exterior Dimension(W*D*H)	205X135X215(mm)
	Input	~100V-240V 50/60Hz
	Output	DC 12V 3A

Biological Indicators

Parameters



Biological Indicator For Steam

Model	UGBI0501
Packing	50pcs/Box
Organism	G-stearotherophilus ATCC7953
Population(mean/strip)	≥1.0x10 ⁶ c.f.u.
D-value	≥1.5 min(121°C)
Incubation Time	24~48H
Frequency of Use	Test 1 time every sterilization cycle



Biological Indicator For VH₂O₂

Model	UGBI0502
Packing	50pcs/Box
Organism	G-stearotherophilus ATCC7953
Population(mean/strip)	≥1.0x10 ⁶ c.f.u.
D-value	≥1s (50°C,2.3mg/L VH ₂ O ₂)
Incubation Time	24~48H
Frequency of Use	Test 1 time every sterilization cycle



Biological Indicator For EO

Model	UGBI0503
Packing	50pcs/Box
Organism	Bacillus atrophaeus ATCC 9372
Population(mean/strip)	≥1.0x10 ⁶ c.f.u.
D-value	≥2.5 min(54°C,60% RH,600mg/L EO)
Incubation Time	24~48H
Frequency of Use	Test 1 time every sterilization cycle

Parameters



Biological Indicator For Dry Heat	
Model	UGBI0504
Packing	40pcs/Box
Organism	Bacillus atrophaeus ATCC 9372
Population(mean/strip)	$\geq 1.0 \times 10^6$ c.f.u.
D-value	≥ 2 min(160 \pm 1 $^{\circ}$ C)
Incubation Time	24~48H
Frequency of Use	Test 1 time every sterilization cycle



Biological Indicator For LTSP	
Model	UGBI0505
Packing	50pcs/Box
Organism	G-stearothermophilus ATCC7953
Population(mean/strip)	$\geq 1.0 \times 10^6$ c.f.u.
D-value	≥ 6 min(1 \pm 0.01mol/L, 60 \pm 0.5 $^{\circ}$ C)
Incubation Time	24~48H
Frequency of Use	Test 1 time every sterilization cycle



Biological Indicator For Water Spray	
Model	UGBI0506
Packing	50pcs/Box
Organism	Bacillus subtilis ATCC 35021
Applicable temperature	105~121 $^{\circ}$ C
Population(mean/strip)	$\geq 1.0 \times 10^6$ c.f.u.
D-value	≥ 1.5 min(121 $^{\circ}$ C)
Incubation Time	24~48H
Frequency of Use	Test 1 time every sterilization cycle

Special for space disinfection

Parameters



B.I. for H ₂ O ₂ space disinfection	
Model	UGBI0601
Packing	50pcs/Box
Organism	G-stearothermophilus ATCC7953
Population(mean/strip)	$\geq 1.0 \times 10^6$ c.f.u.
D-value	≥ 1.5 min(1500mg/m ³ 15~30 $^{\circ}$ C)
Incubation Time	24~48H
Frequency of Use	Test 1 time every cycle



B.I. for H ₂ O ₂ space disinfection	
Model	UGBI0602
Packing	50pcs/Box
Organism	G-stearothermophilus ATCC7953
Population(mean/strip)	$\geq 1.0 \times 10^6$ c.f.u.
D-value	≥ 1.5 min(1500mg/m ³ 15~30 $^{\circ}$ C)
Incubation Time	24~48H
Frequency of Use	Test 1 time every cycle



Rapid readout B.I. for H ₂ O ₂ space disinfection	
Model	UGBI0901
Packing	50pcs/Box
Organism	G-stearothermophilus ATCC7953
Population(mean/strip)	$\geq 1.0 \times 10^6$ c.f.u.
D-value	≥ 1.5 min(2000mg/m ³ 15~30 $^{\circ}$ C)
Incubation Time	15~60min
Frequency of Use	Test 1 time every cycle



Spore strips For Steam

Model	UGBS0501
Packing	200pcs/Pack
Organism	G-stearothermophilus ATCC7953
Population(mean/strip)	$\geq 1.0 \times 10^5$ c.f.u.
D-value	≥ 1.5 min(121°C)
Incubation Time	24~48H
Frequency of Use	Test 1 time every sterilization cycle



Mini strips For Steam

Model	UGMS0501
Packing	200pcs/Pack
Organism	G-stearothermophilus ATCC7953
Population(mean/strip)	$\geq 1.0 \times 10^5$ c.f.u.
D-value	≥ 1.5 min(121°C)
Incubation Time	24~48H
Frequency of Use	Test 1 time every sterilization cycle



Spore strips For VH₂O₂

Model	UGBS0502
Packing	200pcs/Pack
Organism	G-stearothermophilus ATCC7953
Population(mean/strip)	$\geq 1.0 \times 10^6$ c.f.u.
D-value	≥ 1 s (50°C, 2.3mg/L VH ₂ O ₂)
Incubation Time	24~48H
Frequency of Use	Test 1 time every sterilization cycle



Mini strips For VH₂O₂

Model	UGMS0502
Packing	200pcs/Pack
Organism	G-stearothermophilus ATCC7953
Population(mean/strip)	$\geq 1.0 \times 10^6$ c.f.u.
D-value	≥ 1 s (50°C, 2.3mg/L VH ₂ O ₂)
Incubation Time	24~48H
Frequency of Use	Test 1 time every sterilization cycle



Spore strips For Dry Heat/EO

Model	UGBS0503
Packing	200pcs/Pack
Organism	Bacillus atrophaeus ATCC 9372
Population(mean/strip)	$\geq 1.0 \times 10^6$ c.f.u.
D-value	≥ 2.5 min(54°C, 60% RH, 600mg/L EO) ≥ 2 min(160±1°C)
Incubation Time	24~48H
Frequency of Use	Test 1 time every sterilization cycle



Mini strips For Dry Heat/EO

Model	UGMS0503
Packing	200pcs/Pack
Organism	Bacillus atrophaeus ATCC 9372
Population(mean/strip)	$\geq 1.0 \times 10^6$ c.f.u.
D-value	≥ 2.5 min(54°C, 60% RH, 600mg/L EO) ≥ 2 min(160±1°C)
Incubation Time	24~48H
Frequency of Use	Test 1 time every sterilization cycle

Parameters



Spore strips For H ₂ O ₂ space disinfection	
Model	UGBS0502B
Packing	100pcs/Pack
Organism	G-stearotherophilus ATCC7953
Population(mean/strip)	≥1.0x10 ⁶ c.f.u.
D-value	≥1.5 min(1500mg/m ³ 15~30°C)
Incubation Time	24~48H
Frequency of Use	Test 1 time every sterilization cycle



Spore strips For H ₂ O ₂ space disinfection	
Model	UGBS0502C
Packing	100pcs/Pack
Organism	G-stearotherophilus ATCC7953
Population(mean/strip)	≥1.0x10 ⁶ c.f.u.
D-value	≥1.5 min(1500mg/m ³ 15~30°C)
Incubation Time	24~48H
Frequency of Use	Test 1 time every sterilization cycle



Spore strips For H ₂ O ₂ space disinfection	
Model	UGBS0502E
Packing	100pcs/Pack
Organism	Bacillus atrophaeus ATCC 9372
Population(mean/strip)	≥1.0x10 ⁶ c.f.u.
D-value	≥1.5 min(1500mg/m ³ 15~30°C)
Incubation Time	24~48H
Frequency of Use	Test 1 time every sterilization cycle

Culture Medium

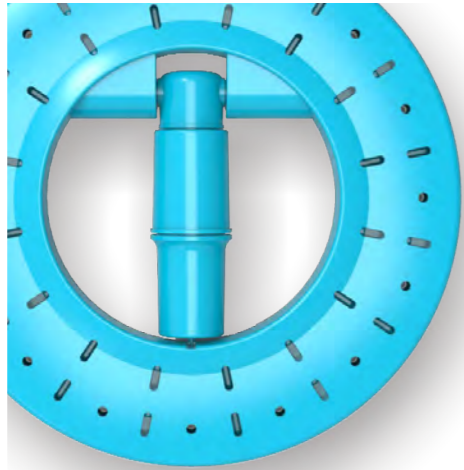
Parameters



Culture Medium For Steam/VH ₂ O ₂ /LTSP	
Model	UGIM0501
Packing	40pcs/Box
Initial color	Purple
Final color(positive)	Yellow
Medium volume	2ml
Incubation Time	24~48H
Frequency of Use	Test 1 time every sterilization cycle

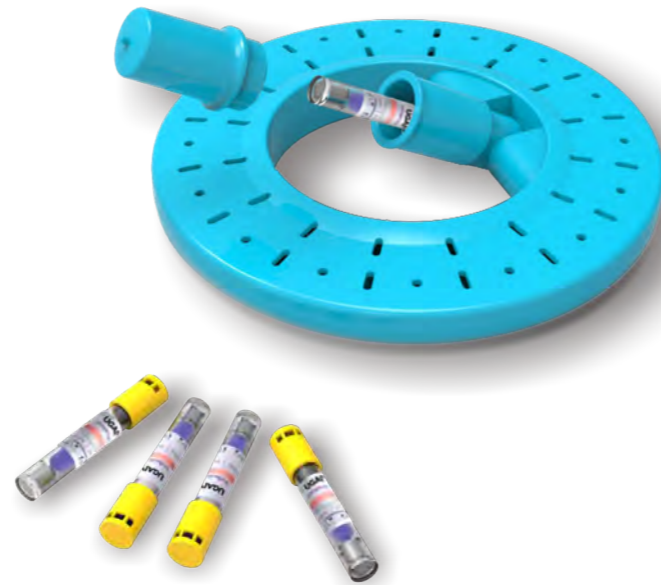


Culture Medium For Dry Heat/EO	
Model	UGIM0503
Packing	40pcs/Box
Initial color	Green
Final color(positive)	Yellow
Medium volume	2ml
Incubation Time	24~48H
Frequency of Use	Test 1 time every sterilization cycle



For VH_2O_2

Process Challenge Device for VH_2O_2 Sterilizer
UGPD-02
Advanced Monitoring/ Validation Tools

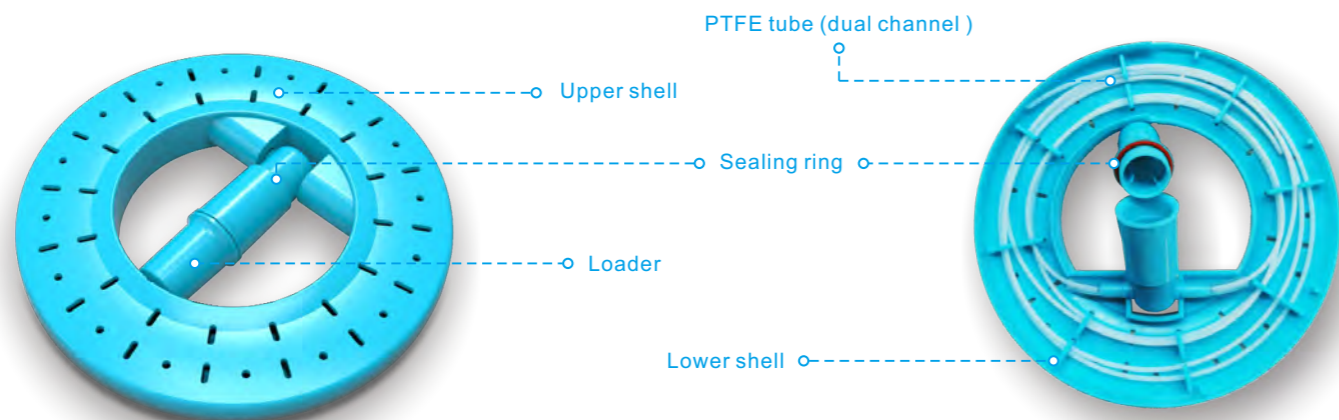


It is very important to ensure VH_2O_2 Sterilization result in each cycle, as it be effected from many factors:

- Concentration of Agent(Hydrogen Peroxide)
- Vaporization Quality
- Injection Volume
- Temperature of Chamber
- Cleaning/dryness of loaded instruments
- Packing method
- Loading method
- Etc.

Structure

The inner diameter of the PTFE tube is 1mm and the length is 2 meters



Advantages

Rapidly and Accurately

- After the PCD can be used with our rapid BI, the result can be obtained within 20 minutes, The result is accurate and meets international standards.

Very easy to load

- It is very convenient to load and take out BI. Routine training is carried out in the reader to increase the turnover rate.

Ensure sterilization results

- Completely simulate the structure of lumen instruments to ensure the sterilization results of lumen instruments.

Safe and reliable

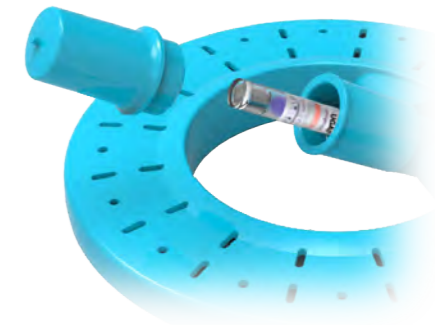
- Both the compatibility of materials and the sealing are also very good, which ensures the high challenge resistance and stability of PCD.

- Frequency of Biological Testing should be at least once per day or in accordance with your policy
- Priority of sterilization monitoring Domestic laws ISO standard Manufacturer's instructions

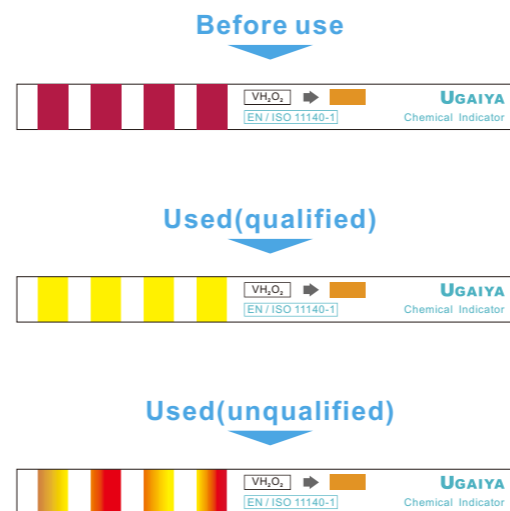
Naked BI & CI(Chemical Indicator) can not check the sterilization results for lumen instruments:

- Naked BI is only to check instruments without lumen
- Class 1 CI is only to ensure the sterilizer injected Agent (Hydrogen Peroxide) into the chamber normally
- Normal PCD is to ensure the sterilization results, but needs the incubation time

Loading of BI to be sterilized



CI for VH_2O_2 PCD



Type 5
Rapidly and Accurately
Safe and Economy

Indicator	Color	UGAIYA Chemical Indicator
[VH ₂ O ₂]	Red	UGAIYA Chemical Indicator
[VH ₂ O ₂]	Yellow	UGAIYA Chemical Indicator
[VH ₂ O ₂]	Orange	UGAIYA Chemical Indicator
[VH ₂ O ₂]	Green	UGAIYA Chemical Indicator
[VH ₂ O ₂]	Blue	UGAIYA Chemical Indicator
[VH ₂ O ₂]	Purple	UGAIYA Chemical Indicator
[VH ₂ O ₂]	Black	UGAIYA Chemical Indicator



For Steam



Process Challenge Device for Steam Sterilizer

UGPD-01

Advanced Monitoring/ Validation Tools

It is very important to ensure Steam Sterilization result in each cycle, as it be effected from many factors:

- Saturation of steam
- Steam uniformity
- Temperature of chamber
- Cleaning/dryness of loaded instruments
- Packing method
- Loading method
- Etc.

Advantages

Rapidly and Accurately

- After the PCD can be used with our rapid BI, the result can be obtained within 20 minutes, The result is accurate and meets international standards.

Very easy to load

- It is very convenient to load and take out BI. Routine training is carried out in the reader to increase the turnover rate.

Ensure sterilization results

- Completely simulate the structure of instrument box to ensure the sterilization results of metal instrument box.

Safe and reliable

- Both the compatibility of materials and the sealing are also very good, which ensures the high challenge resistance and stability of PCD.

Structure

