



UGAIYA

UGAIYA Bio-Sciences Co., Ltd

ADD : Nishifunahashi 2-47-11, Hirakata City , Osaka , JAPAN 573-1122
TEL : (81)72-808-6840 FAX : (81)72-808-8906
E-mail: sales@ugaiya.com
WEB : www.ugaiya.com

*Images and parameters herein are only for reference and subjected to change without notice. UGAIYA reserves the right of final interpretation.

UGAIYA



Rapid Readout Biological System

- ★ Rapidest Operation
- ★ Most Accurate Readouts
- ★ World Leading Technology



4-in-1

Steam



Steam



Steam



VH₂O₂



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 20~180 minutes to ensure implantation operations can be carried out in time, and in the meantime, a report can be printed for traceability.

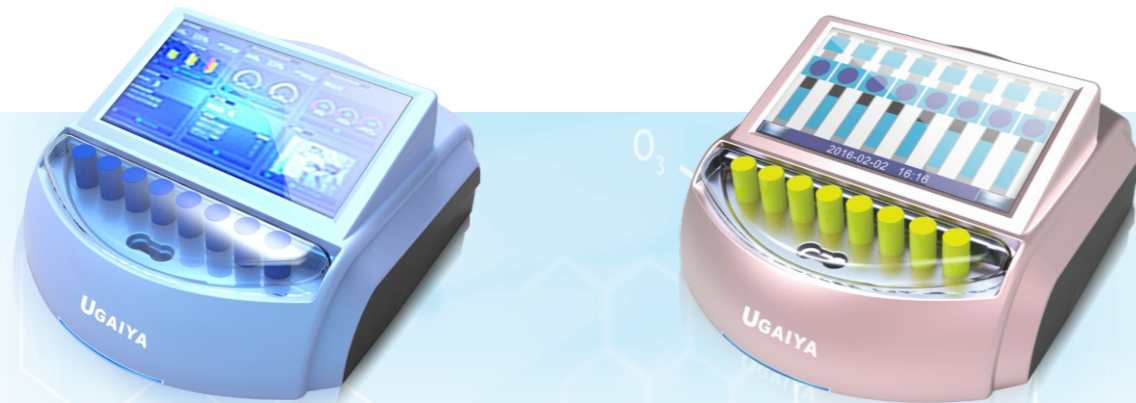
UG-AR400 Reader For 4 Types B.I.

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



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

UG-AR200 Reader For 20mins VH_2O_2 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.

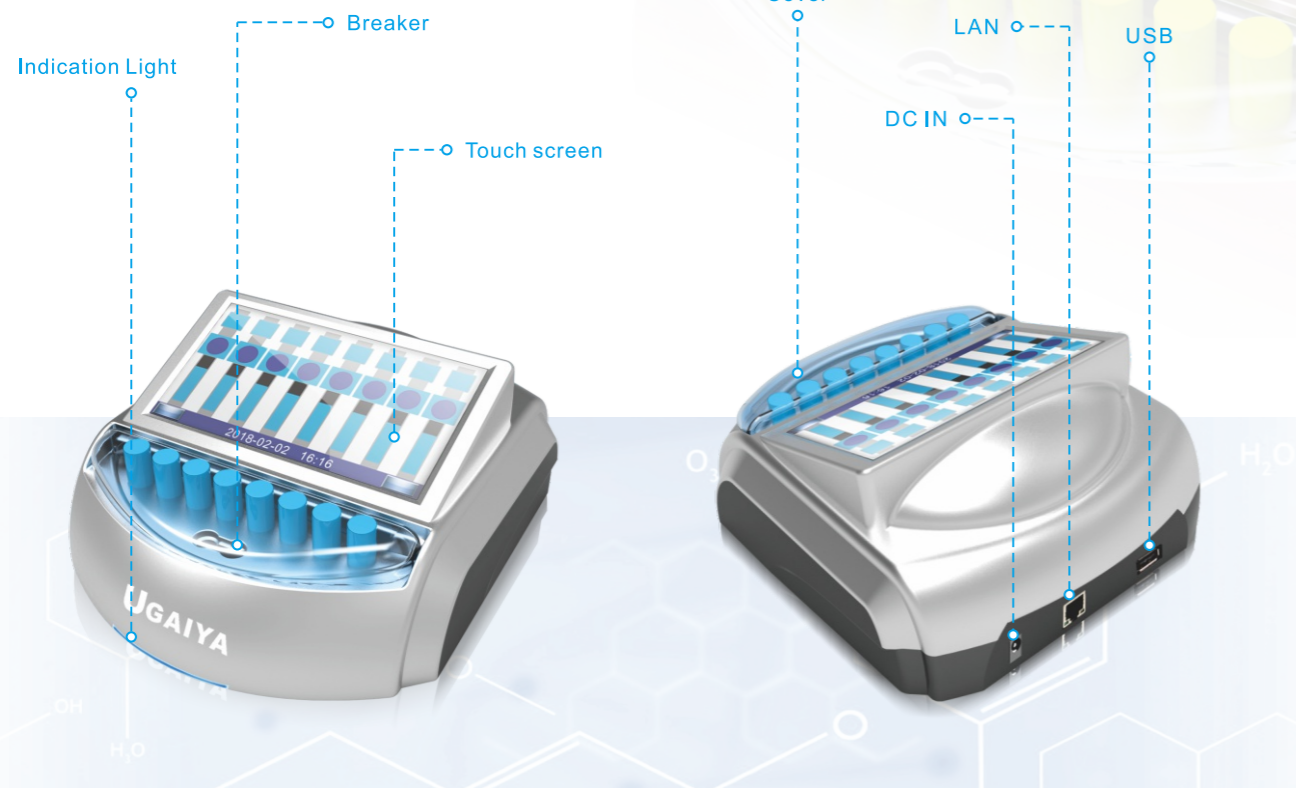


Smart User-Friendly Design

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



Structure



Parameters

Model	UG-AR400	UG-AR100	UG-AR300	UG-AR200
For BI types	All types	UGBI0101	UGBI0301	UGBI0102
Rated Power(W)	20	20	20	20
Power Supply	DC 12V 3A	DC 12V 3A	DC 12V 3A	DC 12V 3A
Ambient Temp.	5°C-40°C	5°C-40°C	5°C-40°C	5°C-40°C
Ambient RH	≤95%(noncondensing)	≤95%(noncondensing)	≤95%(noncondensing)	≤95%(noncondensing)
Ambient Pressure	Atmospheric Pressure	Atmospheric Pressure	Atmospheric Pressure	Atmospheric Pressure
Incubation Temp.	58±2°C(adjustable)	58±2°C(adjustable)	58±2°C(adjustable)	58±2°C(adjustable)
Judgment Time	4~20 mins(Varied from spore)	15~60 mins(Varied from spore)	30~180 mins(Varied from spore)	4~20 mins(Varied from spore)
Incubation Slots	8	8	8	8
Screen	7" TFT touch screen	7" TFT touch screen	7" TFT touch screen	7" TFT touch screen
Net Weight(kg)	1	1	1	1
Exterior Dimension	246X214X100(mm)	246X214X100(mm)	246X214X100(mm)	246X214X100(mm)
USB	Y	Y	Y	Y
LAN	Y	Y	Y	Y
Input	~100V-240V 50/60Hz	~100V-240V 50/60Hz	~100V-240V 50/60Hz	~100V-240V 50/60Hz
Output	DC 12V 3A	DC 12V 3A	DC 12V 3A	DC 12V 3A

Rapid Readout Biological Indicators



Advantages

- Provides results in 20~180 mins.
- Applicable for 121°C gravity, 132~135°C vacuum steam and VH₂O₂ sterilization cycles.
- Self-contained biological indicators significantly reduce possibility of cross infection, minimizing false positives and assuring more precision results.
- Fast result time to ensure quarantine every load and eliminate recalls.
- It helps reduce the costs associated with fighting infections both money and time wasted.

Parameters

Model	UGBI0201	UGBI0101	UGBI0301	UGBI0102
Application	Vacuum&Gravity	Vacuum&Gravity	Vacuum&Gravity	Hydrogen peroxide vapor
Organism	G-stearothermophilus(ATCC7953)	G-stearothermophilus(ATCC7953)	G-stearothermophilus(ATCC7953)	G-stearothermophilus(ATCC7953)
Population(mean/strip)	≥1.0x10 ⁶ c.f.u.	≥1.0x10 ⁶ c.f.u.	≥1.0x10 ⁶ c.f.u.	≥1.0x10 ⁶ c.f.u.
D-value	≥1.5 min(121°C steam)	≥1.5 min(121°C steam)	≥1.5 min(121°C steam)	≥1s (50°C,5mg/L VH ₂ O ₂)
Incubation Time	4~20mins(readout)	15~60mins(readout)	30~180mins(readout)	4~20mins(readout)
Frequency of Use	Test 1 time every sterilization cycle	Test 1 time every sterilization cycle	Test 1 time every sterilization cycle	Test 1 time every sterilization cycle
Packing	50pcs/Box	50pcs/Box	50pcs/Box	50pcs/Box

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 6mins
	Temp. Precision	±0.5°C
	Display Precision	0.1 °C
	Incubation Slots	12~18
	Screen	LED
Dimensions	Net Weight(kg)	1.2
	Exterior Dimension(W*D*H)	205X135X215(mm)
Power Adaptor	Input	~100V-240V 50/60Hz
	Output	DC 12V 3A

Biological Indicators

Parameters



Biological Indicator 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 VH₂O₂

Model	UGBI0502
Packing	50pcs/Box
Organism	G-stearotherophilus ATCC7953
Population(mean/strip)	≥1.0x10 ⁶ c.f.u.
D-value	0.75-8s(50°C,2.3mg/L VH ₂ O ₂)
Incubation Time	24~48H
Frequency of Use	Test 1 time every sterilization cycle



Biological Indicator EO

Model	UGBI0503
Packing	50pcs/Box
Organism	B. Atrophaeus ATCC9372
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