

# **gke Steri-Record<sup>®</sup> Electronic dry bath incubator**



## Application

This electronic dry bath incubator is used to incubate **gke Steri-Record<sup>®</sup>** self-contained biological indicators (SCBIs) and **gke Steri-Record<sup>®</sup>** Stearo-Ampoules. SCBIs are used to test steam, ethylene oxide, formaldehyde and hydrogen peroxide/plasma sterilization processes. **gke** Stearo-Ampoules are used to test liquid sterilization procedures.

After the incubation period the colour of the pH-indicator shows the result of the media. An external microbiological laboratory is not needed. Therefore, the results are available much faster.

## Product Description

The incubator is available in four versions for different temperatures. All incubators contain an aluminium block to incubate SCBIs. An aluminium block suitable for Stearo-Ampoules (art.-no. 610-114) is available separately. The incubation temperature is visible in the LCD-display.

Art.-No. 610-119, model I-37-AB-MBP  
Incubation temperature: 37°C, to incubate *B. atrophaeus* biological indicators

Art.-No. 610-120, model I-57-AB-MBP  
Incubation temperature: 57°C, to incubate *G. stearothermophilus* biological indicators

Art.-No. 610-121, model I-V-AB-MBP  
Variable incubation temperature, to incubate to incubate *B. atrophaeus* and *G. stearothermophilus* biological indicators

Art.-No. 610-122, model I-V-T-AB-MBP  
Variable incubation temperature,  
see Art.-No. 610-121,  
however incubation time programmable.

After the time is elapsed the incubator provides an acoustic and visual signal. The countdown is only running, when temperature is equivalent to the setting. So even during electrical power outages, a correct incubation time is warranted. Temperature and remaining incubation time is visible on the LCD-display.

The aluminium block is covered with a transparent lid with the advantage that the colour change of SCBIs and stearo ampoules can be observed without taking out the biological indicators.

Before the SCBIs are incubated they need to be activated by crushing the glass ampoule inside the SCBI. The crusher is integrated in the aluminium block of the incubator.

The incubator is running at 12 V DC and can be used in all laboratories. A separate power supply with variable voltage input 100 - 240 V AC is enclosed with each incubator.

## Specifications

Voltage of incubator	12 V DC
Max. heating power	35 W
Separate power supply	12 V DC/100 - 240 V AC, 50 - 60 Hz
Programmable temperature range	+ 5 to + 80°C
Programmable incubation time range	0 ~ 99 h (only art.-no. 610-122)
Temperature accuracy	≤ ± 1°C
Display accuracy	0.1°C
Heating time: 20°C to 37°C 20°C to 57°C 20°C to 80°C	≤ 8 min ≤ 10 min ≤ 12 min
Ambient usable temperature range	5°C ~ 35°C
Dimensions incl. lid (WxDxH)	110 x 150 x 120 mm
Weight including aluminium block	870 g
Power cord with the following plug versions available:	Australia = A Europe = E Great Britain = G USA = U

## Benefits

- The dry bath incubator does not require water circulation and therefore, needs no cleaning.
- The incubator can be used with all local voltages.
- Low voltage allows operation in all laboratories.
- Colour change of BI can be observed through a transparent lid without taking the biological indicators out of the incubator.
- Separate aluminium blocks are available for SCBIs or stearo ampoules.
- LCD display allows actual temperature control during the incubation.
- High electronic control provides excellent temperature stability.
- Crusher for SCBIs is integrated in the aluminium block.
- Free temperature selection can be programmed with Art.-No. 610-121 and 610-122.
- Incubation time can be programmed with Art.-No. 610-122.
- incubation time is still obtained.

## Order Information

Four incubator versions including aluminium block for Mini-Bio-Plus SCBIs. Also order the correct plug on the power cord, available for Europe, Great Britain, Australia and the US. All incubator versions can be modified later on by exchanging an EPROM when it is sent to **gke** or one of its distributors.

Art.-No.*	Product code	Description of incubator and aluminium block
610-119	I-37-AB-MBP	Incubation temperature: 37°C fixed
610-120	I-57-AB-MBP	Incubation temperature: 57°C fixed
610-121	I-V-AB-MBP	Variable temperature selection
610-122	I-V-T-AB-MBP	Variable temperature selection and programming of the incubation time
610-114	I-AB-AMP	Aluminium block for <b>gke Steri-Record</b> <sup>®</sup> stearo ampoules

\* To all article numbers a 3-digit alpha code is added. The additional letter code refers to the language and/or customized and plug version. It is only added on the outside label, the inside of the pack is identical to the article numbers on the above table.

## Mini-Bio-Plus self-contained biological indicators (SCBI)

Art.-No.*	Product code	Quantity/ pack	Pop.	Sterilization process	Colour of cap	Colour change of			Incubation temperature	Biological indicator spores		
						Outside type 1 Indicator on label		Growth Media in SCBIs after steriliza- tion and incubation				
						Before	After	sterile			non-sterile	
324-501	B-S-MBP-10-5	10	10 <sup>5</sup>	Steam 121-137°C	Light blue	Blue	Brown	Purple	Yellow- green	55-60°C	<i>G. Stearo- thermophilus</i>	
324-505		50										
324-510		100										
324-551	B-S-MBP-I-10-5-SV4 Instant-MBP-SCBI with type 5 indicator	10	10 <sup>5</sup>	Steam 132-137°C	Light orange	Blue	Brown	Purple	Yellow- green	55-60°C	<i>G. Stearo- thermophilus</i>	
324-555		50										
324-550		100										
324-651	B-S-MBP-I-10-6-SV4 Instant-MBP-SCBI with type 5 indicator	10	10 <sup>5</sup>	Steam 132-137°C	Dark orange	Blue	Brown	Purple	Yellow- green	55-60°C	<i>G. Stearo- thermophilus</i>	
324-655		50										
324-650		100										
324-601	B-S-MBP-10-6	10	10 <sup>5</sup>	Steam 121-137°C	Dark blue	Blue	Green	Purple	Yellow- green	55-60°C	<i>G. Stearo- thermophilus</i>	
324-605		50										
324-610		100										
325-601	B-F-MBP-10-6	10	10 <sup>5</sup>	Formaldehyde	Yellow	Yellow	Blue	Green	Purple	Yellow- green	55-60°C	<i>G. Stearo- thermophilus</i>
325-605		50										
327-601	B-V-G-MBP-10-6 on glass fiber carrier	10	10 <sup>6</sup>	Hydrogen peroxide	Light Grey	Blue	Green	Purple	Yellow- green	55-60°C	<i>G. Stearo- thermophilus</i>	
327-605		50										
327-610		100										
337-601	B-V-T-MBP-10-6 on tyvek carrier	10	10 <sup>6</sup>	Hydrogen peroxide	Colour- less	Blue	Green	Purple	Yellow- green	55-60°C	<i>G. Stearo- thermophilus</i>	
337-605		50										
347-601	B-V-ST-MBP-10-6 on stainless steel carrier	10	10 <sup>6</sup>	Hydrogen peroxide	Dark Grey	Blue	Green	Purple	Yellow- green	55-60°C	<i>G. Stearo- thermophilus</i>	
347-605		50										
357-601	B-V-T-MBP-10-6 on PET carrier	10	10 <sup>6</sup>	Hydrogen peroxide	Light Green	Blue	Green	Purple	Yellow- green	55-60°C	<i>G. Stearo- thermophilus</i>	
357-605		50										
326-605	B-E-MBP-10-6	50	10 <sup>6</sup>	Ethylene oxide	Red	Blue	Green	Green	Yellow- orange	33-37°C	<i>B. Atrophaeus</i>	
326-610		100										

## Stearo-Ampoules

Art.-No.*	Product code	Population per ampoule	Quantity/Box	Dimensions	Result of the sterilization process	
					sterile	unsterile
					Colour change of ampoule after sterilization and incubation	
225-550	B-S-AMP-10-5	10 <sup>5</sup> CFU	50	11x44mm	Purple	Yellow-green
225-650	B-S-AMP-10-6	10 <sup>6</sup> CFU				
235-510	B-S-MAMP-10-5	10 <sup>5</sup> CFU	100	5x25 mm	Purple	Yellow-green
235-610	B-S-MAMP-10-6	10 <sup>6</sup> CFU				

## gke Steri-Record® process challenge devices (Bio-C-PCD®s) for Mini-Bio-Plus SCBIs

Art.-No.*	Product code	PCD-Version**	Penetration Characteristics***
300-031	B-PM-OCPCD-0	oval	minimal requirements for air removal
300-032	B-PM-RCPCD-0	round	
300-033	B-PM-OCPCD-1	oval	
300-034	B-PM-RCPCD-1	round	
300-035	B-PM-OCPCD-2	oval	low requirements for air removal
300-036	B-PM-RCPCD-2	round	
300-037	B-PM-OCPCD-3	oval	air removal less difficult than Hollow load test according to EN 867-5
300-038	B-PM-RCPCD-3	round	
300-039	B-PM-OCPCD-4	oval	air removal equal to Hollow load test according to EN 867-5
300-040	B-PM-RCPCD-4	round	
300-041	B-PM-RCPCD-5	round	air removal more difficult than Hollow load test according to EN 867-5
300-042	B-PM-RCPCD-6	round	air removal much more difficult than Hollow load test according to EN 867-5

\* To all article numbers a 3-digit alpha code is added. The additional letter code refers to the language and/or customized and plug version. It is only added on the outside label, the inside of the pack is identical to the article numbers on the above tables.

\*\* Round versions are recommended to be used in large and oval versions in small sterilizers.

\*\*\* PCDs for routine monitoring need to be validated according to the load using the test method DIN 58921.

**gke-GmbH**  
**Auf der Lind 10**  
**65529 Waldems**  
**Germany**

 +49 (0) 61 26 94 32 - 0  
 +49 (0) 61 26 94 32 - 10  
 [info@gke.eu](mailto:info@gke.eu)  
 <http://www.gke.eu>

Your **gke** sales partner: