Biological indicator DH/HL for dry heat sterilization

Product information

Field of application: DH/HL is a biological indicator, which is designed for the validation

and the routine monitoring of dry heat sterilization processes.

Features: DH/HL indicators contain populations of Bacillus subtilis.

Conformity: Biological indicator DH/HL in compliance with the requirements

of ISO 11138-4.

Specifications: Organism: Bacillus subtilis

Mean population: ≥ 10⁶ cfu
Carrier material: filter paper
Primary packaging: medical paper

Shelf life: 24 months from the date of manufacturing

Resistance characteristics - dry heat 160 °C:

 $D_{160 \, ^{\circ}\text{C}}$ -value: $\geq 2,0 \, \text{min}$ z-value: $\geq 20 \, ^{\circ}\text{C}$

Storage: Store at a temperature between + 18 °C and + 25 °C and a

relative humidity between 35 % and 70 %. Protect from solar

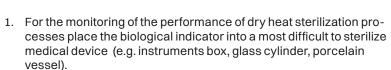
radiation and direct contact with any sterilant.

Disposal: After use, dispose with domestic waste.

Packing unit: 50, 100, 250 pcs.

Order No: BI-HL-2001

Example of use:



- 2. Each sterilization program must be tested and assessed separately.
- 3. Place the indicators at representative spots of a typical load. E.g.
 - box with indicator no. 2 at the left front corner
 - box with indicator no. 3 at the upper left corner in the rear
 - glass cylinder with indicator no. 4 at the upper right corner in the rear
 - porcelain vessel with indicator no. 5 and 6 at the left front corner One indicator is meant to be a growth and transport control. Do not sterilize the growth control indicator.

 Check temperature and preset running time.
 WHO-recommendation for dry heat sterilization: 180 °C - 30 min

- 5. Start the sterilization
- 6. When the program is finished transfer the sterilized indicator strips and the growth control indicator into tubes with 7-10 ml TSB-broth. It is important to work aseptically when transferring the indicator strips.
- 7. Incubate the spore strips for 7 days at a temperature of 33 °C ± 3 °C.
- 8. Daily check all tubes for growth and especially check for specific growth of the test organism.
- 9. Note down the results. The results are only valid if the growth control indicator shows typical growth.

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