

TECHNICAL DATA SHEET

GENTAMICIN 25 MG SELECTIVE SUPPLEMENT

DETECTION AND ENUMERATION OF YEASTS AND MOLDS

1 INTENDED USE

Gentamicin 25 mg Selective Supplement is recommended to improve the isolation of yeasts and pathogenic fungi in clinical samples as well as for the enumeration of yeasts and molds in food products, particularly in meats and raw seafood. The selective supplement is composed of the antibiotic gentamicin.

Extemporaneous addition of Gentamicin to media is proposed in the standard V08-059. It allows a better selectivity of the media, particularly in the presence of contaminating Gram negative bacteria in meats and in raw seafood.

2 COMPOSITION

For one vial :

- Gentamicin (sulfate) 25,0 mg

3 INSTRUCTIONS FOR USE

- Using aseptic techniques, fill the vial of lyophilisate with 5 mL of sterile distilled water.
- Turn end-over-end to dissolve. Avoid frothing the solution.
- Aseptically add 2 mL of the reconstituted supplement to 100 mL of Glucose Chloramphenicol agar (BK007) maintained at 44-47 °C.
- Mix well.

Note :

The supplement can also be used with Brain Heart agar, for the detection of specific microorganisms.

4 QUALITY CONTROL

Aspect : white lyophilisate, giving a clear colorless solution after reconstitution.

Typical culture response on Glucose Chloramphenicol agar after 72 hours of incubation at 25 °C

Microorganisms		Growth (Productivity Ratio : P_R)
<i>Saccharomyces cerevisiae</i>	WDCM 00058	$P_R \geq 50 \%$
<i>Candida albicans</i>	WDCM 00054	$P_R \geq 50 \%$
<i>Aspergillus brasiliensis</i>	WDCM 00053	$P_R \geq 50 \%$
<i>Pseudomonas aeruginosa</i>	WDCM 00024	Inhibited, score 0
<i>Pseudomonas aeruginosa</i>	WDCM 00025	Inhibited, score 0
<i>Escherichia coli</i>	WDCM 00013	Inhibited, score 0

5 STORAGE / SHELF LIFE

Freeze-dried supplement : 2-8 °C.

The expiration date is indicated on the label.

Rehydrated supplement (*) : 30 days at 2-8 °C.

(*) Benchmark value determined under standard preparation conditions, following manufacturer's instructions.

6 PACKAGING

10 vials BS00908

7 BIBLIOGRAPHY

NF V08-059. Novembre 2002. Microbiologie des aliments. Dénombrement des levures et moisissures par comptage des colonies à 25°C. Méthode de routine.

8 ADDITIONAL INFORMATION

The information provided on the labels take precedence over the formulations or instructions described in this document and are susceptible to modification at any time, without warning.

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