

STREPTOMYCIN ASSAY AGAR A5

For antibiotic assay testing

TYPICAL FORMULA (g/l)

Beef Extract	1.5
Yeast Extract	3.0
Peptone	6.0
Agar	15.0

DIRECTIONS

Dissolve 25.5g powder in 1000ml of cold distilled water. Bring to the boil stirring frequently and sterilise by autoclaving at 121°C for 15 minutes.

Final pH 8.0 ± 0.1

DESCRIPTION

The medium is prepared according to the formula described in 21 CFR, USP (medium 5) and corresponds to the medium No.5 of Grove and Randall. It is recommended as a base and surface medium in the streptomycin assay using the cylinder plate technique and *Bacillus subtilis* as a test organism.

STORAGE

Dehydrated medium: 10-30°C

User prepared flasks: 1 month at 2-8°C

REFERENCES

- FDA (1983) - Tests and Methods of Assay of Antibiotics and Antibiotic-Containing Drugs, 21 CFR, part 436, Subpart D, pp. 242-259.
- Grove, D.C. and Randall, W.A. (1955) - Assay Methods of Antibiotics, Medical Encyclopaedia Inc., New York.
- U.S. Pharmacopoeia 24, NF 19 (2000)

PACKAGING

4020901	Streptomycin Assay Agar A5	100g (3.9 l)
4020902	Streptomycin Assay Agar A5	500g (19.6 l)