



Reference : 01-014
Product :
ANTIBIOTIC MEDIUM 8

Scharlau Microbiology - Technical data sheet

Specification

Solid medium for the antibiotic assay by the agar diffusion method.

Formula * in g/L

Peptone 6,0
Yeast extract..... 3,0
Meat extract..... 1,5
Agar..... 15,0

Final pH 5,9 ±0,1 at 25 °C

* Adjusted and /or supplemented as required to meet performance criteria

Directions

Add 25,5 g of medium to 1 L of distilled water. Heat to the boil and dispense into suitable containers. Sterilize in the autoclave at 121°C for 15 minutes.

Technique

The agar diffusion technique for antibiotic assays is performed according to the methodology recommended in the pharmacopoeia used in each country.

Quality control

Incubation temperature: 32-35 ° C / 37±0,5°C **Incubation time:** 24 h ± 2h

Inoculum: Inoculate the entire agar surface / Practical range 50-100 CFU (Productivity)

Microorganism	Growth	Remarks
<i>Bacillus subtilis</i> ATCC® 6633	Good	Inoculate the entire agar surface
<i>Bacillus subtilis</i> ATCC® 6633	Productivity > 0.70	Productivity
<i>Bacillus subtilis</i> ATCC® 6633	Conform (inhibition zone)	Vancomycin (10 µg) / 37±0,5°C

References

· USP 34 - NF 29 (2011) Biologcal test & Assays <81> Antibiotics - Microbial Assays. USP Corp. Inc. Rockville. MD. USA.

Storage

For laboratory use only. Keep tightly closed, away from bright light, in a cool dry place (+4 °C to 30 °C).