

Quality Control

Appearance

Cream to yellow homogeneous free flowing powder

Gelling

Firm, comparable with 1.5% Agar gel

Colour & Clarity of prepared medium

Light amber coloured clear to slightly opalescent gel forms in Petri plates

Reaction

Reaction of 4.3% w/v aqueous solution at 25°C. pH : 7.1±0.2

pH

6.90-7.30

Cultural Response

Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.

Organism	Inoculum	Growth	Recovery
<i>Escherichia coli</i> ATCC 25922	50-100	good-luxuriant	≥70%
<i>Streptococcus mitis</i> ATCC 9895	50-100	good-luxuriant	≥70%
<i>Staphylococcus aureus</i> ATCC 25923	50-100	good-luxuriant	≥50%
<i>Streptococcus pyogenes</i> ATCC 19615	50-100	good-luxuriant	≥70%

Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours with addition of sodium thioglycollate.

<i>Bacillus subtilis</i> ATCC 6633	50-100	good-luxuriant	≥50%
<i>Bacteroides vulgatus</i> ATCC 8482	50-100	good-luxuriant	≥50%
<i>Candida albicans</i> ATCC 10231	50-100	good-luxuriant	≥50%
<i>Micrococcus luteus</i> ATCC 9341	50-100	good-luxuriant	≥50%
<i>Clostridium sporogenes</i> ATCC 11437	50-100	good-luxuriant	≥50%

Reference

1. USPHS Reg., 73, 730: Federal Register, 1970, Vol. 35, No. 0171, p. 13:930.
2. The United States Pharmacopoeia, 2006, USP29/NF24. The United States Pharmacopoeial Convention, Rockville, MD.
3. MacFaddin J. F., 1985, Media for Isolation-Cultivation-Identification-Maintenance of Medical Bacteria, Vol. 1, Williams and Wilkins, Baltimore
4. Nungester, Hood and Warren, 1943, Proc. Soc. Exp. Biol. Med. 52 : 287
5. Portwood, 1944, J. Bacteriol., 48 : 255.

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