OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION

TODD-HEWITT BROTH CM0189

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Typical Formula*

Infusion from 450g fat-free minced meat	grams per litre	10.0
Tryptone		20.0
Glucose		2.0
Sodium bicarbonate		2.0
Sodium chloride		2.0
Di-sodium phosphate		0.4

*adjusted as required to meet performance standards

Directions

Dissolve 36.4g in 1 litre of distilled water. Mix well, distribute into containers and sterilize by autoclaving at 115°C for 10 minutes.

Physical Characteristics

Straw, free-flowing powder
Colour on reconstitution – straw 2-3
Moisture level - less than or equal to 7%
pH - 7.8 ± 0.2 at 25°C
Clarity - clear

The medium is tested for compatibility using the following blood:

Defibrinated Sheep Blood 10% (v/v)

There shall be no evidence of lysis, after incubation at 37°C and 4°C for 18 hours.

Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Columbia Blood Agar Base enriched with 5% v/v horse blood

Reactions after incubation at 37°C for 18 hours

Medium is challenged with 10-100 colony-forming units

Streptococcus pyogenes	ATCC®19615	Turbid growth
Streptococcus uberis	NCTC3858	Turbid growth
Enterococcus faecalis	ATCC®19433	Turbid growth
Streptococcus Group C	ATCC®12449	Turbid growth
Streptococcus pneumoniae	ATCC®6303	Turbid growth

A satisfactory result is represented by visible growth.

Additional challenging strains are employed.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	Update to new document format and correction of typographical/minor errors.	Change control	BT-CC-1924