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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
THIOGLYCOLLATE BROTH USP ALTERNATIVE (CM0391)		

**THIOGLYCOLLATE BROTH USP ALTERNATIVE**  
**Typical Formula\***

**CM0391**

Yeast extract	grams per litre	5.0
Pancreatic digest of casein		15.0
Glucose		5.5
Sodium thioglycollate		0.5
Sodium chloride		2.5
L-Cystine		0.5

\* adjusted as required to meet performance standards

**Directions**

Suspend 29g in 1 litre of distilled water. Bring to the boil to dissolve completely. Mix well and distribute into final containers. Sterilize by autoclaving at 121°C for 15 minutes. Prepare freshly or boil and cool the medium just before use.

**Physical Characteristics**

Straw, free-flowing powder  
 Colour on reconstitution - straw 1-2  
 Moisture level - less than 7%  
 pH 7.1 ± 0.2 at 25°C  
 Clarity - clear  
 Standing test - passes test

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### Microbiological Tests Using Optimum Inoculum Dilution

Control Media: Tryptone Soya Agar, Columbia Blood Agar Base enriched with 5% v/v horse blood or Sabouraud Dextrose Agar, where appropriate.

Prepare medium in 20ml volumes in 150 x 24mm test tubes with aluminium caps.

### Tested in accordance with USP/EP/BP/JP

#### Reactions after incubation at 30-35°C for 3 days

Medium is challenged with 10-100 colony-forming units

<i>Staphylococcus aureus</i>	ATCC® 6538	Turbid growth and/or single colonies
<i>Kocuria rhizophila</i>	ATCC® 9341	Turbid growth and/or single colonies
<i>Pseudomonas aeruginosa</i>	ATCC® 9027	Turbid growth and/or single colonies
<i>Clostridium sporogenes</i>	ATCC® 19404	Turbid growth and/or single colonies
<i>Clostridium sporogenes</i>	ATCC® 11437	Turbid growth and/or single colonies
<i>Bacteroides vulgatus</i>	ATCC® 8482	Turbid growth and/or single colonies

#### Reactions after incubation at 20-25°C for 3 days

Medium is challenged with 10-100 colony-forming units

<i>Bacillus subtilis</i>	ATCC® 6633	Turbid growth and/or single colonies
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#### Reactions after incubation at 20-25°C for 5 days

Medium is challenged with 10-100 colony-forming units

<i>Candida albicans</i>	ATCC® 10231	Flocculent growth
<i>Aspergillus brasiliensis</i>	ATCC® 16404	White mycelia with or without black spores


A satisfactory result is represented by visible growth.

The Microbiological Quality Control of this product complies with the following current pharmacopoeia;

British Pharmacopoeia

European Pharmacopoeia

The Japanese Pharmacopoeia

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### The United States Pharmacopoeia Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	Reformatting to new template Addition of 'Tested in accordance with' statement	Change control	BT-CC-1482