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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
POTASSIUM TELLURITE 3.5% SR0030J		

**POTASSIUM TELLURITE 3.5%**

**SR0030J**

### Description

A solution for addition to culture media.

### Directions

Suspend 4g of Hoyle Medium Base (CM0083) in 100ml of distilled water and bring to the boil to dissolve completely. Sterilize by autoclaving at 121°C for 15 minutes. Cool to 50°C and add 5ml of Laked Horse Blood (SR0048) and 1ml Potassium Tellurite 3.5% (SR0030J). Mix well and pour into sterile Petri dishes.

### Physical Characteristics

Colour - colourless liquid

Clarity - clear

Deposit - nil

Volume - 2ml

### Microbiological Tests Using Optimum Inoculum Dilution

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


Tested in Hoyle Medium Base CM0083 enriched with 5% v/v laked horse blood

### Reactions after incubation at 37°C for 36 hours

Medium is challenged with 1E+04 to 1E+06 colony-forming units

<i>Corynebacterium diphtheriae gravis</i>	ATCC®19409	0.5-2mm dull grey/black colonies
<i>Corynebacterium diphtheriae mitis</i>	NCTC10356	0.5-2mm shiny grey/black colonies
<i>Corynebacterium diphtheriae intermedius</i>	ATCC®14779	0.5-2mm shiny grey/black colonies, dark centres

Corynebacterium species shall produce colonies with a positive diagnostic reaction.

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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. Addition of Control Medium and Result Criteria.	Change control	BT-CC-1932
Microbiological Tests	Correction of result for ATCC®14779 from 0.5-1mm to 0.5-2mm.	Change control	BT-CC-1932