BT-SPEC-0575v2

Date: 10/04/17 **Supersedes:** 07/11/07

OXOID QUALITY ASSURANCE

PRODUCT SPECIFICATION

EGG YOLK-TELLURITE EMULSION (OXOID)

SR0054C

Description

A sterile emulsion of egg yolk containing potassium tellurite for use in Baird-Parker Medium (CM0275).

Physical and Chemical Characteristics

Colour : yellow Clarity : opaque Deposit : nil Volume : 100 ml Separation may occur on storage. This does not affect the quality of the product.

50ml of SR0054C contains the equivalent of 3ml of 3.5% potassium tellurite. PREPARED PLATES MAY BE STORED AT 4° C.

Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Tryptone Soya Agar

Reactions after incubation at 37±2°C for 24±2 hours

Staphylococcus aureus	ATCC® 9144	Pinpoint black colonies with no zones to 1.5mm
		shiny black colonies with clear zones
Staphylococcus epidermidis	ATCC® 14990	No growth or ppt-1mm black colonies, no zones

Reactions after incubation at 37±2°C for 48±2 hours

Medium is challenged with 10-100 colony-forming units

Staphylococcus aureus ATCC® 9144 1-3mm shiny black colonies, white and clear zones

A satisfactory result is represented by recovery of positive strains equal to or greater than 70% of the control medium.

Inoculation using diminishing sweep technique

Staphylococcus epidermidis	ATCC® 14990
Proteus mirabilis	ATCC® 29906

No growth or ppt-1mm black colonies, no zones No growth or 1-3mm brown/black colonies, no zones

Staphylococcus epidermidis ATCC® 14990 and *Proteus mirabilis* ATCC® 29906 are inhibited or shall produce colonies with a negative diagnostic reaction (i.e. without white and clear zones).

Testing performed in accordance with ISO11133: 2014

Reactions after incubation at 37±2°C for 24±2 hours

Staphylococcus aureus	ATCC® 25923	WDCM00034 Pinpoint black colonies with no zones to
		1.5mm shiny black colonies with clear zones
Staphylococcus aureus	ATCC® 6538	WDCM00032 Pinpoint black colonies with no zones to
		1.5mm shiny black colonies with clear zones
Staphylococcus saprophyticus	ATCC® 15305	WDCM00159 No growth or ppt-1mm black colonies, no
		zones
Staphylococcus epidermidis	ATCC® 12228	WDCM00036 No growth or ppt-1mm black colonies, no
		zones

Reactions after incubation at 37±2°C for 48±2 hours

Medium is challenged with 50-120 colony-forming units

Staphylococcus aureus	ATCC® 25923	WDCM00034 1-3mm shiny black colonies, white and clear
		zones
Staphylococcus aureus	ATCC® 6538	WDCM00032 1-3mm shiny black colonies, white and clear
		zones

A satisfactory result is represented by recovery of positive strains equal to or greater than 70% of the control medium.

Medium is challenged with 1E+03 to 1E+04 colony-forming units

Staphylococcus saprophyticus ATCC® 15305WDCM001590.5-2mm black colonies, no zonesStaphylococcus epidermidisATCC® 12228WDCM00036No growth or ppt-1mm black colonies, no zones

Staphylococcus saprophyticus ATCC® 15305 and *Staphylococcus epidermidis* ATCC® 12228 are inhibited or shall produce colonies with a negative diagnostic reaction (i.e. without white and clear zones).

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

Inoculation using diminishing sweep technique

Escherichia coli	ATCC® 25922	WDCM00013	No growth
Escherichia coli	ATCC® 8739	WDCM00012	No growth

Negative strains are inhibited.