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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
TRICHOMONAS MEDIUM CM0161		

TRICHOMONAS MEDIUM

CM0161

Typical Formula*

	grams per litre	
Liver digest		25.0
Glucose		5.0
Sodium chloride		6.5
Agar		1.0

* adjusted as required to meet performance standards

Directions

Suspend 37.5g in 1 litre of distilled water. Bring to the boil to dissolve completely. Sterilize by autoclaving at 121°C for 15 minutes. Cool to 50°C. Inactivate 80ml of horse serum (by holding serum at 56°C for 30 minutes) adjust to pH 6.0 and add it to the medium. For diagnostic work, bacterial growth may be suppressed by the addition of 1000 units of penicillin and 500µg of streptomycin per ml of medium or 100µg of chloramphenicol per ml of medium (1 vial of SR0078 per 500ml of medium).

Physical Characteristics

Straw, free-flowing powder
 Colour on reconstitution - amber 3
 Moisture level - less than or equal to 7%
 pH - 6.4 ± 0.2 at 25°C
 Clarity - clear
 Gel strength - semi-solid, comparable to 1.0g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution

Control Medium: Sabouraud Dextrose Agar

Tested with the addition of 8% v/v inactivated horse serum

Reactions after aerobic incubation at 37°C for 3 days

Prepare a suspension of *Trichomonas vaginalis* to contain 10 trichomonads per drop (40µl). Inoculate 2 x 5ml aliquots of the test and standard medium with 20 and 50 trichomonads respectively and incubate at 37°C for 3 days. Examine each culture microscopically, recording the number of trichomonads per drop present in each tube.

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Inoculation of 5ml of medium using 200µl of a viable culture

Trichomonas vaginalis ATCC®30001


For Trichomonads, a satisfactory result is represented by greater than or equal to 70% of the standard Trichomonas Medium microscopic examination of 20 fields of a 40µl drop.

The number shall be comparable to the standard at all dilutions.

Medium is challenged with 10-100 colony-forming units

Candida albicans ATCC®10231 Turbid growth

A satisfactory result is represented by visible growth.

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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-1952