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ProductInformation

TRIBUTYRIN AGAR BASE WITHOUT TRIBUTYRIN

Product Number **T3688**

Product Description
Tributyrin Agar Base medium that is supplemented with Tributyrin (T8626) is used for the detection of lipolytic microorganisms such as *Staphylococci, Clostridia, Flavobacteria* and *Pseudomonas* in foods. The peptic digest of animal tissue and yeast extract provide nutrients to the organisms. Tributyrin degradation by the microorganisms is indicated by clear zones surrounding the lipolytic colonies in the otherwise turbid culture medium. The medium should have a uniformly turbid emulsion for the effectiveness of the culture medium.

Components

Item	g/L
Peptic Digest of Animal Tissue	5.00
Yeast Extract	3.00
Agar	15.00

Final pH (at 25 °C): 07.5± 0.2

Precautions and Disclaimer
For laboratory use only. Not for drug, household or other uses.

Preparation Instructions
Suspend 23 grams of Tributyrin Agar Base in 990 mls of distilled water. Add 10 mls of (T8626) Tributyrin to the medium. Mix and heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs. pressure (121 °C) for 15 minutes. Gently shake the flask and each petri plate while pouring in order to maintain a uniform turbidity in the medium.

Storage
Store the dehydrated medium at 24 °C and the prepared medium at 2-8 °C.

Product Profile

Appearance	Yellow colored, homogeneous, free flowing powder.
Gelling	Firm.
Color and Clarity	Light yellow colored, opalescent gel with oil droplets forms in petri plates.
Cultural Response	Cultural characteristics are observed up to 24-48 hours at 35-38 °C, in an appropriate atmosphere.

Organisms	(ATCC)	Growth	Lipase Activity
Bacillus subtilis	*(6633)*	luxuriant	+
Escherichia coli	*(25922)*	luxuriant	-
Staphylococcus aureus	*(25923)*	luxuriant	+
Clostridium sporogenes	*(11437)*	luxuriant	+
Clostridium perfringens	*(12924)*	luxuriant	-

Key: + = clear zone around colony
- = absence of zone

References
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