



PRODUCT INFORMATION

Recommended for the cultivation, selective isolation and differentiation of organisms responsible for mastitis in dairy populations. Group D streptococci produce a darkening or black haze around the colonies as they hydrolyze esculin; whereas, *Streptococcus agalactiae* is not capable of esculin-hydrolysis.

BOVINE BLOOD AGAR WITH ESCULIN

Material 5055

PHYSICAL CHARACTERISTICS:

Appearance: Prepared medium is opaque and cherry to dark red with no hemolysis

pH: 6.9 - 7.3 @25°C

GROWTH RECOVERY:

Test Organisms	Expected Results
<i>Staphylococcus aureus</i> ATCC® 25923	Good growth; β hemolysis; no darkening around colonies
<i>Streptococcus agalactiae</i> ATCC® 12386	Good growth; β hemolysis; no darkening around colonies
<i>Streptococcus uberis</i> ATCC® 700407	Good growth; γ hemolysis; Darkening around colonies

STORAGE AND HANDLING INSTRUCTIONS:

Store sealed sleeves inverted at 2-8°C upon receipt. Do not heat or freeze and minimize exposure to light. Plates should be warmed to room temperature prior to use - not to exceed 30°C. Product expiry is 182 days (6 months) from the date of manufacture. Reference our *Prepared Media Storage and Handling* document for additional information.

FORMULA* (per Liter):

Enzymatic Digest of Casein	5.0g
Meat Peptone	8.0g
Yeast Enriched Peptone	9.0g
Potato Starch	1.0g
Sodium Chloride	5.0g
Agar	14.0g
Gentamicin	100mg

*Adjusted and/or supplemented as required to meet performance criteria

S² Media

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