



Product Information

Mannitol Salt Agar

Product information for SD8033:

Description:

Beef extract and peptone acts as source of carbon, nitrogen, minerals, vitamins and other essential growth nutrients. Mannitol is the fermentable carbohydrate. Phenol red is a pH indicator and change the color from red to yellow if mannitol is fermented and acid products are produced. Typical pathogenic staphylococci (coagulase-positive staphylococci) ferment mannitol and form yellow colonies with yellow zones around the colonies. Typical non-pathogenic staphylococci do not ferment mannitol and form red colonies. Sodium Chloride, in high concentration, inhibits most bacteria other than staphylococci.

Cultural characteristics after 18-48 hours at 35-37°C.

Components (for making 4.55L medium)

Part I:	Protease pepton	45.5g
	Sodium Chloride	341.25g
	D-Mannitol	45.5g
	Beef Extract	4.55g
	Phenol Red	0.115g
Part II:	Agar	68.25g

Usage

Must dissolve all contents of Part I in distilled water. Adjust pH=7.4-7.5, make final to 4.55L. Add Part II (Agar). Sterilize by autoclaving at 121°C for 15 minutes. Pour plates.

Storage

Store dehydrated powder, in a dry place, in tightly-sealed containers at 2-25°C.