

Product Name : Actinomyces Agar	Product Code : NLAB-CHEMICALSIND21010
Description : Actinomyces Agar	
Technical Specification : Actinomyces Agar Actinomyces Agar is recommended for the cultivation and maintenance of the anaerobic Actinomyces species. Principle And Interpretation Actinomycetes are gram-positive bacteria, which show marked chemical and morphological diversity but form a distinct evolutionary line of organisms that range from coccoid and pleomorphic forms to branched filaments. Actinomycetes form an integral part of soil, water and vegetation. Actinomycete development leads to the formation of volatile metabolites. Traces of these volatile metabolites are sufficient to impart disagreeable odour to water or a muddy flavour to fish. Actinomycetes also cause disruptions in wastewater treatment by forming massive growths, which are capable of producing thick foam in the activated sludge process. Actinomyces Agar/Broth is further modified and is recommended for the cultivation and maintenance of anaerobic Actinomycete species. Beef heart infusion, tryptose, casein enzymic hydrolysate, yeast extract, starch and dextrose act as sources of carbon, nitrogen, sulphur, vitamins and other growth factors. The metallic salts provide essential electrolytes and minerals. Quality Control Appearance: Cream to yellow homogeneous free flowing powder pH: 6.70-7.10 Gelling: Firm, comparable with 2.0% agar gel. Reaction: Reaction of 7.72% w/v aqueous solution at 25°C. pH : 6.9±0.2 Colour and Clarity of prepared medium: Yellow to light amber coloured clear to slightly opalescent gel forms in Petri plates.	

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