BIOMARK Laboratories-INDIA www.biomarklabs.com **TECHNICAL SHEET**

B996 [COLUMBIA C.N.A. AGAR Formula Ingredients : Biopeptone 20.00 Tryptic digest of meat heart 3.00 Corn starch 1.00 Sodium chloride 5.00 Colistin sulphate 0.01 Nalidixic acid 0.015 Agar 15.00 Final pH (at 25°C) : 7.3 ± 0.2 Directions : Suspend 44.02 gms in 1000 ml. distilled water. Heat to bolling to dissolve the medium completel Sterilize by autoclaving at 5lbs pressure (121°C) for 15 minutes. Cool to 50°C and aseptically ac 5% v/v sterile, defibrinated blood. Mix well and pour into sterile petri plates. Principle : Combination of peptones and an infusion peptone support the rapid and luxuriant growth ar sharply defined haemolytic reactions, typical colonial morphology and improved pigme production. Subsequently, Ellner et al found that a medium consisting of 5% sheep blood ar 10µg Colistin and 15 µg Nalidixic acid per ml of medium, suppressed growth of Proteux, Klebsiel and Pseudomonas species while permitted unrestricted growth of Staphylococci, haemolyt Streptococci and Enterococi. Colistin and Nalidixic acid inhibit gram – negative bacteria t disrupting the cell membrane and blocking DNA replication respectively. QC Tests - (1)Dehydrated Medium Indet y and the addition of 5% v/v sterile, defibrinated blood : Cherry red Colour : Light yellow Apasaal medium : Yelow											
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Preparation (500g)			Reconstitution			рН (2	25°C)				
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