

TECHNICAL SHEET

PP039	NON-NUTRIENT AGAR 1.5%		
Formula			
Ingredients:		gms/lit	
Sodium chloride		0.12	
Magnesium sulphate heptahydrate		0.004	
Calcium chloride-2-hydrate		0.004	
Di-sodium hydrogen orthophosphate anhydrous		0.142	
Potassium di-hydrogen orthophosphate		0.136	
Agar		15.00	
Final pH (at 25°C): 7.0 +/- 0.2			
Directions:			
Label the ready to use plate (PP039). Either streak, inoculate or surface spread the test inoculum (50-100 CFU) aseptically on the plate.			
Principle:			
Non-Nutrient Agar contain buffers to provide amebae with a neutral environment. Free-living amebae are found naturally in moist soil, marine water, and fresh water, and feed on the bacteria and nutrients found in these environments. They can infect humans through the skin, olfactory epithelium, sinuses, corneal abrasions, or respiratory tract and are responsible for a variety of diseases, including cerebral edema, focal necrosis, granulomatous reactions in skin, multiple necrotic foci, corneal ulceration, and hemorrhagic necrosis.			
(I) QC Tests			
pH:	7.0 +/- 0.2		
Color:	Clear and colourless medium.		
Appearance:	Sterile Non-Nutrient Agar 85mm disposable plates.		
(II) Sterility test		Passes release criteria	
(III) Q.C. Test Microbiological			
Cultural characteristics observed after incubation at 35-37°C for 3-48 hours or up to 10 days for Acanthamoeba			
MICROORGANISM (ATCC)	Inoculum	GROWTH	COLONY MORPHOLOGY/MICROSCOPIC OBSERVATION
Acanthamoeba Castellanii ATCC 30010	50-100	luxuriant	Presence of double-walled cysts
Naegleria fowleri ATCC 30215	$\geq 10^3$	luxuriant	-
Escherichia coli 25922	$\geq 10^3$	inhibited	-
Escherichia coli ATCC® 10536	50-100	inhibited	-

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Precautions :	1. In Vitro diagnostic use only. 2. Read the label before opening the container
Limitations :	1. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.
Use:	Recommended for the detection of free-living pathogenic Acanthamoeba and Naegleria spp. cysts, trophozoites, and flagellates in clinical, epidemiological, or public health specimens; also for products associated with contact lenses.
Storage:	Store between 2-8°C. Use before expiry date on the label.
Packing:	10 disposable plates.

Disclaimer:

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