

APCAL003

Plate Count Agar, 100 ml

For the determination of plate count of microorganisms by pour plate method.

Composition	Ingredients Gms / Litre
Casein enzymic hydrolysate	5.000
Yeast extract	2.500
D(+) Glucose anhydrous	1.000
Agar	9.000

Appearance:

Light Yellow coloured Sterile solidified Plate Count Agar in screw cap glass bottle

pH (at 25°C):

7.0 ± 0.2

Principle:

PLATE COUNT AGAR is used for determination of plate counts of microorganisms from samples. This media was formulated and described by Buchbinder et al. Plate count agar is also suitable for determining bacterial count. Casein enzymic hydrolysate provides amino acids and other complex nitrogenous substances and Yeast extract supplies vitamin B complexes. D(+) Glucose anhydrous is a source for carbon and energy.

Quantity of Medium:

100 ml media in 200 ml screw cap glass bottle

Cultural Response:

Cultural characteristics observed after incubation at 35-37°C for 24 hours and recovery should be greater than 70%.

Sterility Test:

Passes release criteria.

Shelf Life and Storage Conditions:

Use before expiry date on the label and store below 25°C.

Reference Pharmacopoeia:

IP/USP/EP