

APCA001

Plate Count Agar

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 Plate Count Agar in 90 mm Petri Plates

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

30ml of medium in 90mm plates

Dose of Gamma irradiation

12 to 17 KGy

Cultural Response

Cultural characteristics observed after incubation at 35-37°C for 18-24 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