R2A Agar

Product No. CP1512

Intended Use

Used for microbial limits detection of purified water and water for injection.(CP)

Specification 250 g

Ingredients	(g/L)
Yeast extract	0.5
Peptone	0.5
Casein hydrolyzate	0.5
Glucose	0.5
Soluble starch	0.5
Potassium hydrogen phosphate	0.3
Anhydrous magnesium sulfate	0.024
Sodium pyruvate	0.3
agar	15.0

(pH 7.2±0.2)

Additional Reagents

No

Principle and Interpretation

Yeast extract provides a source of trace elements and vitamins.Peptone and casamino acids provide nitrogen, vitamins, aminoacids, carbon and minerals. Glucose serves as a carbon source.Soluble starch aids in the recovery of injured organisms by absorbing toxic metabolic by-products. Sodium pyruvate increasesthe recovery of stressed cells. Potassium hydrogen phosphate is used tobalance the pH and provide phosphate.Anhydrous magnesium sulfate is a source of divalent cations and sulfate. Agar is the solidifying agent.

Directions

Suspend 18.1 g of the powder in 1 L of distilled water. Heat with frequent agitation and boil to dissolve completely. Autoclave at 121℃ for 15 minutes.

Precautions

No

Quality Control

Microorganisms	Inoculum (CFU)	Reference Medium	Method	Incubation	Growth (recovery)
Pseudomonas aeruginosa CMCC(B) 10104	⩽100	TSA	Growth Promotion	30℃-35℃ ⩽3days	0.5-2
Bacillus subtilis CMCC(B) 63501					

Storage Conditions

Keep container tightly closed and store in a dry place at 2-25℃.

Shelf Life

3 years.

Related Products

Product No.	Product Name	Specification
GCP1512	R2A Agar	250 g

For laboratory use in industry or R&D purpose. Not for drug, household or other uses.