

AgarCult™
Columbia Agar

The medium is a general-purpose, non-selective medium capable of supporting the growth of most micro-organisms by ISO 10272, EP, USP

Formula	g/l
Pancreatic Digest of Casein	10
Meat Peptic Digest	5
Heart Pancreatic Digest	3
Yeast Extract	5
Starch (Corn)	1
Sodium chloride	5
Agar	13.5
Total	42.5
pH: 7.3 ± 0.2 at 25°C	

Preparation

- # Dissolve 42.5g in 950ml of distilled water (purified water)
- # Heat and frequent stirring to completely dissolve the medium
- # Autoclave at 121°C for 15 minutes
- # Cool to 45-50°C and add supplement.
 - **Columbia Blood Agar:** add 5% sheep or horse blood, mix well and distribute to sterile plates.
 - **Chocolate Agar:** add 5% sheep or horse blood, heat to 80°C for 10 minutes, mix well and distribute to sterile plates
 - **Serum Agar:** add 20% serum, mix well and distribute to sterile plates

Quality Control (37°C, 24H), with 5% Sheep Blood

Organism	Ref. No.	Result
S. aureus	ATCC 6538	Good growth
E. coli	ATCC 8739	Good growth
S. pyogenes	ATCC 19615	Good growth, β-haemolysis
S. pneumoniae	ATCC 6303	Good growth, α-haemolysis

Storage

Store the dehydrated medium tightly closed in a dry place at room temperature and use before the expiry date on the label.

Dehydrated medium: 2-30°C

Ordering information

Code	Products	Package
CA500	AgarCult™ Columbia Agar	500g/Bottle
CA5000	AgarCult™ Columbia Agar	5kg/Bottle
DSB10	AgarCult™ Defibrinated Sheep Blood	10ml/Bottle
DSB100	AgarCult™ Defibrinated Sheep Blood	100ml/Bottle
DHB10	AgarCult™ Defibrinated Horse Blood	10ml/Bottle
DHB100	AgarCult™ Defibrinated Horse blood	100ml/Bottle