

Blades Biological Ltd

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AGAR FORMULA SHEET

Nutrient Agar 28g per ltr

Formula per Litre [aprox pH 7.4]

Lab-Lemco Powder	1.0g
Yeast Extract Powder	2.0g
Peptone	5.0g
Sodium Chloride	5.0g
Technical Agar	15.0g

China Blue Lactose Agar 35g per ltr

Formula per Litre [aprox pH 7.0]

Peptone	5.0g
Lab Lemco Powder	3.0g
Lactose	10.0g
Sodium Chloride	5.0g
China Blue	q.s
Technical Agar	12.0g

Nutrient Broth 13g per ltr

Formula per Litre [aprox pH 7.4]

Lab Lemco	1.0g
Yeast Extract Powder	2.0g
Peptone	5.0g
Sodium Chloride	5.0g

Yeast Extract Agar 23g per ltr

Formula per litre [aprox pH7.2]

Yeast Extract Powder	3.0g
Peptone	5.0g
Technical Agar	15.0g

Malt Extract Agar 50g per ltr

Formula per Litre [aprox pH 5.4]

Malt Extract	30.0g
Mycological Peptone	5.0g
Technical Agar	15.0g

If Required the medium may be acidified by cooling to 55°C and adding Lactic Acid 10%. Do not reheat the acidified medium.

Technical Agar 10g per ltr

Typical analysis

Working Strength	1.2%
Moisture	<12%
Clarity	Moderate
Mineral Content	High

Tryptone Soya Agar 40g per ltr

Formula per Litre [aprox pH 7.3]

Tryptone	15.0g
Soya Peptone	5.0g
Sodium chloride	5.0g
Technical Agar	15.0g

Malt Extract Broth 20g per ltr

Formula per Litre [aprox pH]

Malt Extract	17.0g
Mycological Peptone	3.0g

M.R.S AGAR 62g per ltr

Formula per Litre [aprox pH 6.2]

Peptone	10.0g
Lab Lemco	8.0g
Yeast Extract Powder	4.0g
Dextrose	20.0g
'Tween' 80	1ml
di-Potassium hydrogen phosphate	2.0g
Sodium acetate 3H ₂ O	5.0g
tri-Ammonium citrate	2.0g
Magnesium Sulphate 7H ₂ O	0.2g
Manganese Sulphate 4H ₂ O	0.05g
Technical Agar	10.0g

Nutrient Broth No.2 25g per ltr

Formula per Litre [aprox pH 7.5]

Lab Lemco Powder	10.0g
Peptone	10.0g
Sodium Chloride	5.0g

Brain and Heart Infusion Agar 37g per ltr

Formula per Litre [aprox pH 7.4]

Calf Brain Infusion Solids	12.5g
Beef Heart Infusion Solids	5.0g
Proteose Peptone	10.0g
Sodium Chloride	5.0g
Dextrose	2.0g
Disodium phosphate anhyd.	2.5g

Potato Dextrose Agar 39g per ltr

Formula Per Litre [aprox pH 5.6]

Potato Extract	4.0g
Dextrose	20.0g
Technical Agar	15.0g