

L5494
L3 Basal Salt Medium
Properties:

Form:	Powder
Appearance:	White to Yellow
Application:	Plant Tissue Culture
Solubility:	Water
Typical Working Concentration:	4.49 g/L
Storage Temp:	2-8°C
Storage Temp of Stock Solution:	Preparation of concentrated solutions is not recommended as insoluble precipitates may form.
Other Notes:	Contains the macro- and micronutrients as described by Lin and Zhang (2005)

Formula [g/L]

Ammonium Nitrate	1.7
Boric Acid	0.03
Calcium Chloride, Anhydrous	0.302
Cobalt Chloride•6H ₂ O	0.00025
Cupric Sulfate•5H ₂ O	0.00025
Na ₂ EDTA•2H ₂ O	0.0559
Ferrous Sulfate•7H ₂ O	0.0418

Magnesium Sulfate, Anhydrous	0.1807
Manganese Sulfate•H ₂ O	0.075
Molybdic Acid (Sodium Salt)•2H ₂ O	0.0025
Potassium Iodide	0.0075
Potassium Nitrate	1.9
Potassium Phosphate, Monobasic	0.17
Zinc Sulfate•7H ₂ O	0.02

Application Notes:

This medium was developed for growth of indica rice callus used in Agrobacterium transformation

Please Note: While PhytoTech Labs Inc. tests each lot of this product with two or more plant cell/ tissue culture lines, it is the sole responsibility of the purchaser to determine the appropriateness of this product for the specific plants that are being cultured and applications that are being used.

References:

Lin YJ and Q Zhang (2005) Optimising the tissue culture conditions for high efficiency transformation of indica rice. Plant Cell Rep 23:540 -547.

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