

CAT NO: MED1002

Murashige Skoog (MS) Basal Medium

Introduction

ECALBIO produce MS-Medium very popular standard materials which is used for a wide range of plant species. Contains macroelements, microelements and vitamins such as described by MURASHIGE & SKOOG.

Features

- Only one step weighing.
- Eliminating complicated preparation.
- Strict control of raw materials.
- High quality assurance.

Component

Macro elements	Potassium nitrate KNO_3	1900.0mg / L
	Ammonium nitrate NH_4NO_3	1650.0mg /mL
	Potassium dihydrogenphosphate KH_2PO_4	170.0mg / L
	Magnesium sulfate MgSO_4	370.0mg / L
	Calcium chloride CaCl_2	440.0mg / L
Micro elements	Potassium iodide KI	0.830mg/L
	Boric acid H_3BO_3	6.200mg / L
	Manganese(II)sulfatemonohydrate $\text{MnSO}_4 \cdot \text{H}_2\text{O}$	22.30mg/L
	Zinc sulfate Heptahydrate $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$	8.600mg/L
	Sodium molybdate dihydrate $\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$	0.250mg/L
	Copper (II) sulfate pentahydrate $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$	0.025mg / L
	Cobalt(II)chloride hexahydrate $\text{CoCl}_2 \cdot 6\text{H}_2\text{O}$	0.025mg / L
Iron salt	NaEDTA	37.30mg /mL
	Ferrous sulfate $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$	27.80mg / L
Organic components	Myo-inositol	100.0mg / L
	Glycine	2.0mg / L
	Thiamine hydrochloride VB1	0.10mg / L
	Pyridoxine hydrochloride VB6	0.50mg / L
	Vitamin B5	0.50mg / L
	Sucrose	30.0 g /L
	AGAR	7.0 g /L

Specification: 250g/bottle, 500g/bottle, 1000kg/bag.

Reference

Murashige, T & F. Skoog. 1962. A revised medium for rapid growth and bioassays with tobacco tissue cultures.

Storage

Room temperature, dark, 60 months.