

M0222

MURASHIGE & SKOOG MEDIUM INCLUDING VITAMINS

Original concentration, (1962)

Description	Composition	MSDS	Certificate of Analysis	
Micro Elements		mg/l	µM	
CoCl <sub>2</sub> .6H <sub>2</sub> O		0.025	0.11	
CuSO <sub>4</sub> .5H <sub>2</sub> O		0.025	0.10	
FeNaEDTA		36.70	100.00	
H <sub>3</sub> BO <sub>3</sub>		6.20	100.27	
KI		0.83	5.00	
MnSO <sub>4</sub> .H <sub>2</sub> O		16.90	100.00	
Na <sub>2</sub> MoO <sub>4</sub> .2H <sub>2</sub> O		0.25	1.03	
ZnSO <sub>4</sub> .7H <sub>2</sub> O		8.60	29.91	
Macro Elements		mg/l	mM	
CaCl <sub>2</sub>		332.02	2.99	
KH <sub>2</sub> PO <sub>4</sub>		170.00	1.25	
KNO <sub>3</sub>		1900.00	18.79	
MgSO <sub>4</sub>		180.54	1.50	
NH <sub>4</sub> NO <sub>3</sub>		1650.00	20.61	
Vitamins		mg/l	µM	
Glycine		2.00	26.64	
myo-Inositol		100.00	554.94	
Nicotinic acid		0.50	4.06	

Vitamins	mg/l	µM
Pyridoxine HCl	0.50	2.43
Thiamine HCl	0.10	0.30

Total concentration Micro and Macro elements including vitamins: 4405.19 mg/l  
Murashige T. and Skoog F., Physiol. Plant, 15, 473 (1962).