

INGREDIENTS

NITSCH MEDIUM N12070, N12090, N43010

Basal salt mixture containing micro and macro elements as described by Nitsch and Nitsch (1969).

Nitsch J.P. and Nitsch C., Haploid plants from pollen grains, Science 169, 85 (1969). Nitsch J.P., Experimental androgenesis in Nicotiana, Phytomorphology 19, 389 (1969).

MICRO ELEMENTS

CuSO ₄ • 5H ₂ O	0.025 mg/l	0.10 μM
FeNaEDTA	36.70 mg/l	100.00 μM
H ₃ B ₃	10.00 mg/l	161.73 μM
MnSO ₄ • H ₂ O	18.94 mg/l	111.94 μM
Na ₂ MoO ₄ • 2H ₂ O	0.25 mg/l	1.03 μM
ZnSO ₄ • 7H ₂ O	10.00 mg/l	34.78 μM

MACRO ELEMENTS

CaCl ₂	166.00 mg/l	1.50 mM
KH ₂ PO ₄	68.00 mg/l	0.50 mM
KNO ₃	950.00 mg/l	9.40 mM
MgSO ₄	90.27 mg/l	0.75 mM
NH ₄ NO ₃	720.00 mg/l	9.00 mM

Total concentration Micro and Macro elements: 2070.19 mg/l.

VITAMINS

Biotin	0.05 mg/l	0.21 μM
Folic acid	0.50 mg/l	1.13 μM
Glycine	2.0 mg/l	26.64 μM
myo-Inositol	100.00 mg/l	554.94 μM
Nicotinic acid	5.00 mg/l	40.62 μM
Pyridoxine HCl	0.50 mg/l	2.43 μM
Thiamine HCl	0.50 mg/l	1.48 μM

Total concentration Micro and Macro elements including vitamins: 2178.74 mg/l.

N12070 NITSCH MEDIUM, MICRO AND MACRO ELEMENTS

1 L	(2.1 g)
5 L	(10.4 g)
10 L	(20.7 g)

N12090 NITSCH MEDIUM, MICRO & MACRO ELEMENTS INCL. VITAMINS

1 L	(2.2 g)
5 L	(10.9 g)
10 L	(21.8 g)

N43010 NITSCH VITAMIN MIXTURE

100 ml	(10.85 g)
250 ml	(27.13 g)