

## INGREDIENTS

### ORCHIMAX, without activated charcoal O20057

Nutritious and well buffered medium for the cultivation of orchid species. Enriched with trypton to provide an additional source of reduced organic nitrogen, vitamins and nutritional agents. To prevent acidification during the cultivation of the plants, 1 gram of MES (Morpholino Ethane Sulfonic acid) is present in the medium.

#### MICRO ELEMENTS

CoCl <sub>2</sub> • 6H <sub>2</sub> O	0.0125 mg/l	0.05 μM
CuSO <sub>4</sub> • 5H <sub>2</sub> O	0.0125 mg/l	0.05 μM
FeNaEDTA	36.70 mg/l	100.00 μM
H <sub>3</sub> B <sub>3</sub>	3.10 mg/l	50.16 μM
KI	0.415 mg/l	2.50 μM
MnSO <sub>4</sub> • H <sub>2</sub> O	8.45 mg/l	50.00 μM
Na <sub>2</sub> MoO <sub>4</sub> • 2H <sub>2</sub> O	0.125 mg/l	0.52 μM
ZnSO <sub>4</sub> • 7H <sub>2</sub> O	5.30 mg/l	18.42 μM

#### MACRO ELEMENTS

CaCl <sub>2</sub>	166.00 mg/l	1.50 mM
KH <sub>2</sub> PO <sub>4</sub>	85.00 mg/l	0.62 mM
KNO <sub>3</sub>	950.00 mg/l	9.40 mM
MgSO <sub>4</sub>	90.35 mg/l	0.75 mM
NH <sub>4</sub> NO <sub>3</sub>	825.00 mg/l	10.31 mM

Total concentration Micro and Macro elements: 2170.47 mg/l.

#### BUFFER

MES	1000.00 mg/l	4.69 mM
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Total concentration Micro and Macro elements including MES buffer and vitamins: 2292.47 mg/l.

#### VITAMINS

Myo-Inositol	100.00 mg/l	554.94 μM
Nicotinic acid	1.00 mg/l	8.12 μM
Pyridoxine HCl	1.00 mg/l	4.86 μM
Thiamine HCl	10.00 mg/l	29.65 μM

#### ORGANICS

Sucrose	20.0 g/l	58.43 mM
Tryptone	2.0 g/l	
Activated Charcoal	2.0 g/l	

Total concentration Micro and Macro elements including MES buffer, vitamins & organics: 27.28 g/l.

#### O20057 ORCHIMAX, without Activated Charcoal

1 L	25.3 g
10L	252.8 g