

Phytamax™ Orchid Multiplication Medium

P 6793	Plant cell culture, tested, powder	1 L	2.75
2-8°C	With macro- and micronutrients, sucrose, vitamins, NAA, BA, MES and peptone. Phytamax™ is a trademark of Sigma-Aldrich Corporation. R: 36/37/38 S: 26-36	10 L	14.45

Pathogen Screening and Growth Media**Bacteria Screening Medium 523**

B 1662	Used to identify bacteria-free plant tissue for use in culture (Viss, et al., 1991). Recommended use at 32.15 g/L. Microbiologically tested.	250 g	41.70
RT		1 kg	133.30

Corn meal agar

C 1176	Recommended use at 17.0 g per liter. Microbiologically tested.	250 g	63.35
RT		1 kg	227.70

Czapek-Dox broth

C 1551	Contains: Sucrose, sodium nitrate, dipotassium phosphate, magnesium sulfate, potassium chloride, ferrous sulfate. Recommended use at 35 g per liter. Microbiologically tested.	250 g	38.25
RT		1 kg	131.05

Luria agar base, Miller

L 2025	Contains: Tryptone, yeast extract, sodium chloride and agar. Recommended use at 30.5 g per liter.	250 g	42.10
RT		1 kg	165.90

Luria broth base, Miller

L 1900	Contains: Tryptone, yeast extract and sodium chloride. Recommended use at 15.5 g per liter.	1 kg	83.20
RT			

Malt Extract Agar

M 6907	Contains: Maltose, dextrin, glycerol, peptone and agar. Recommended use at 33.6 g per liter. Microbiologically tested.	250 g	52.05
RT			

Malt Extract Broth

M 6409	Contains: Malt extract, maltose, yeast extract and dextrose. Recommended use at 15.0 g per liter. Microbiologically tested.	250 g	36.30
RT			

Nutrient agar 1.5%

N 4019	Contains: Beef extract, peptone, sodium chloride, and agar. Recommended use at 31.0 g per liter. Microbiologically tested.	250 g	47.40
RT		1 kg	171.85

Nutrient broth

N 7519	With beef extract and peptone. Recommended use at 8.0 g per liter. Microbiologically tested.	250 g	42.10
RT		1 kg	147.70

Oatmeal agar

O 3506	Contains: Oatmeal and agar. Recommended use at 72.5 g per liter. Microbiologically tested.	250 g	82.50
RT		1 kg	247.10

Potato Dextrose Agar

P 2182	Contains: Infusions from potatoes, glucose and agar. Recommended use at 39.0 g per liter. Microbiologically tested.	250 g	49.05
RT		1 kg	174.70

Potato Dextrose Broth

P 6685	Contains infusion from potatoes plus glucose. Recommended use at 24.0 g per liter. Microbiologically tested.	250 g	59.75
RT		1 kg	189.15

Protoplast Isolation and Culture**Cellulase**

(1,4-(1,3:1,4)-β-D-Glucan 4-glucano-hydrolase)

CAS No. 9012-54-8

EC 3.2.1.4

References

- Nishimura, M., et al., *Meth. Enzymol.* **148**, 27-34 (1987)
 - Graham, J.M., and Rickwood, D., *Subcellular Fractionation, A Practical Approach*, New York (1997), 256-258
- R: 42 S: 22-24-36/37

C 1184	Cellulase from <i>Aspergillus niger</i> powder, minimum 0.3 units/mg solid	5000 units	17.05
2-8°C		25000 units	53.90
		100000 units	146.70

Unit definition: One unit will liberate 1.0 μmole of glucose from cellulose in one hr at pH 5.0 at 37 °C (2 hr incubation time).

C 1794	Cellulase from <i>Trichoderma viride</i> Plant cell culture, tested, 3-10 units/mg solid	5000 units	47.70
2-8°C		10000 units	78.00

Unit definition: One unit will liberate 1.0 μmole of glucose from cellulose in one hour at pH 5.0 at 37 °C (2 hr incubation time). contains lactose and glucose
Protein approx. 50% by Biuret**Driselase®**

D 8037	from <i>Basidiomycetes</i> sp. Plant cell culture, tested	1 g	48.40
0-5°C	CAS No. 85186-71-6	5 g	158.25
	Crude powder containing laminarinase, xylanase and cellulase. Protein approx. 15% by Biuret		

Fluorescein diacetate

F 7378	(Di-O-acetylfluorescein; 3,6-Diacetoxyfluoran)	5 g	20.35
0-5°C	CAS No. 596-09-8	10 g	33.60
	C ₂₄ H ₁₆ O ₇ FW 416.4	25 g	73.55
	Lipase substrate	100 g	241.60

References

- Guilbault, G.G. and Kramer, D.N., *Anal. Chem.* **36**, 409 (1964)
S: 22-24/25