

**Phytamax™ Orchid Multiplication Medium**

<b>P 6793</b>	<b>Plant cell culture, tested, powder</b>	1 L	2.75
<b>2-8°C</b>	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>B 1662</b>	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
<b>RT</b>		1 kg	133.30

**Corn meal agar**

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

**Czapek-Dox broth**

<b>C 1551</b>	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
<b>RT</b>		1 kg	131.05

**Luria agar base, Miller**

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

**Luria broth base, Miller**

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

**Malt Extract Agar**

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

**Malt Extract Broth**

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

**Nutrient agar 1.5%**

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

**Nutrient broth**

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

**Oatmeal agar**

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

**Potato Dextrose Agar**

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

**Potato Dextrose Broth**

<b>P 6685</b>	Contains infusion from potatoes plus glucose. Recommended use at 24.0 g per liter. Microbiologically tested.	250 g	59.75
<b>RT</b>		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

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<b>C 1184</b>	<b>Cellulase from <i>Aspergillus niger</i> powder, minimum 0.3 units/mg solid</b>	5000 units	17.05
<b>2-8°C</b>		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).

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

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

**Fluorescein diacetate**

<b>F 7378</b>	(Di-O-acetylfluorescein; 3,6-Diacetoxyfluoran)	5 g	20.35
<b>0-5°C</b>	CAS No. 596-09-8	10 g	33.60
	C <sub>24</sub> H <sub>16</sub> O <sub>7</sub> 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)  
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