

# Plant Tissue Culture

PRODUCT CATALOGUE AT-A-GLANCE



- Plant Tissue Culture Media
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- Plant Growth Regulators
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- Plant Tissue Culture Tested Chemicals
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HiMediaLaboratories™  
himedialabs.com

**HIMEDIA**®

For Life is Precious

# Plant Tissue Culture Media

Plant Tissue Culture performs role of a catalyst for agricultural research and industrial development in an emerging economy. At HiMedia, we continuously keep exploring our Research and Development activities for building new quality products to meet the rapidly changing needs of researchers and growers. Right choice of medium based on nutritional requirement of different plant tissues is a fundamental step towards successful in vitro cultivation of plant species. Investment in a right product is a key for economic growth of Plant growers.

Himedia is available to serve plant researchers at every stage of research process and provide complete end to end solution for their problems. We provide extensive range of classical as well as crop specific media in powder form along with their supplements, in both powder and liquid forms. HiMedia delivers media which undergo stringent quality control testing and analysis along with plant tissue culture tests and maintaining adherence to quality and consistency.


As customization is heart of our service (activity), we also provide customized media as per the needs and requirements of a researcher with committed confidentiality, at affordable prices. Our distribution capabilities and real time inventory tracking ensures that your plant tissue culture products are available on time, whenever and wherever you need them.

## For more info :

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## Plant Tissue Culture Media


Product	Code	Product	Code
<b>African Violet</b>			
African Violet Maintenance Medium w/ Vitamins, Sucrose & IAA; w/o Agar	PT111	Banana Rooting Medium w/ Vitamins, Plant growth regulators, Sucrose, Activated charcoal & Agar	PT158
African Violet Multiplication Medium w/ Vitamins, Sucrose, MES, Adenine sulphate, IAA & Kinetin; w/o Agar	PT110	 <i>Musa sp.</i> inoculated in PT158	
<b>Anthurium</b>		<b>Begonia</b>	
Anthurium Callus Induction Medium w/ Vitamins, Sucrose, Plant growth regulators & Agar	PT162	Begonia Multiplication Medium w/ Vitamins, Sucrose, Adenine sulphate, IAA & 2iP; w/o Agar	PT109
Anthurium Multiplication Medium w/ Vitamins, Sucrose, Plant growth regulators & Agar	PT163	<b>Cactus</b>	
 <i>Anthurium sp.</i> Inoculated in PT163		Cactus Multiplication Medium w/ Vitamins, Sucrose, Adenine sulphate, 2iP, IAA, IBA & Agar	PT124
Anthurium Rooting Medium w/ Vitamins, Sucrose, Plant growth regulators, & Agar	PT164	<b>Carnation</b>	
<b>Arabidopsis</b>		BM-1 Terrestrial Orchid Medium w/ Vitamins, Sucrose, Casitose & Agar	PT121
Arabidopsis Callus Initiation Medium w/ Vitamins, Sucrose, 2,4-D & Kinetin; w/o Agar	PT083	Carnation Multiplication Medium w/ Vitamins, Sucrose, Kinetin, NAA & Agar	PT122
Arabidopsis Seed Germination Medium w/ Sucrose & Agar	PT156	Carnation Rooting Medium w/ Vitamins, Sucrose & Agar	PT123
<b>Banana</b>		<b>Carrot</b>	
Banana Micropropagation Medium w/ Vitamins; w/o NH <sub>4</sub> NO <sub>3</sub> , Sucrose & Agar	PT076	Carrot Callus Initiation Medium w/ Vitamins & 2,4-D; w/o Sucrose & Agar	PT089
Banana Multiplication Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose, Glucose, Ascorbic acid, IAA, 6-BAP & Agar	PT079	Carrot Organogenesis Medium w/ Vitamins, Sucrose & Kinetin; w/o Agar	PT112
Banana Multiplication Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose, Glucose, Ascorbic acid, IAA, 6-BAP & CleriGel™	PT079G	<b>Chée &amp; Pool (C<sub>2</sub>D) Vitis</b>	
Banana Multiplication Medium w/ Vitamins, Glucose, Sucrose, Plant growth regulators & Agar	PT150	Chée & Pool (C2D) Vitis Medium w/ Vitamins; w/o Sucrose & Agar	PT027
Banana Multiplication Medium w/ Vitamins, Sucrose, Casitose, IAA & Agar	PT077	Chée & Pool (C2D) Vitis Plant Salt Mixture	TS1113
Banana Multiplication Medium w/ Vitamins, Casitose & IAA; w/o Sucrose & Agar	PT075	<b>Macroelements</b>	
Banana Multiplication Medium w/ Vitamins, Sucrose, Casitose, IAA & CleriGel™	PT077G	Chée & Pool (C2D) Vitis Macroelements	TS1041
Banana Multiplication Medium w/ Vitamins, Sucrose & Agar; w/o NH <sub>4</sub> NO <sub>3</sub> & Casitose	PT078	<b>Microelements</b>	
		<b>Chu (N<sub>6</sub>)</b>	
		CHU (N <sub>6</sub> ) Medium w/ Vitamins; w/o Sucrose & Agar	PT030
		CHU (N <sub>6</sub> ) Medium w/ Vitamins & Sucrose; w/o Agar	PT113
		CHU (N <sub>6</sub> ) Basal Solution (10X)	PL026
		CHU (N <sub>6</sub> ) Plant Salt Mixture	TS1103

Product	Code
<b>Macroelements</b>	
CHU (N <sub>6</sub> ) Macroelements	TS1043
CHU (N <sub>6</sub> ) Macroelements Solution (10X)	PL001
<b>Microelements</b>	
CHU (N <sub>6</sub> ) Microelements (100X)	TS1042
CHU (N <sub>6</sub> ) Microelements Solution (100X)	PL002
<b>Vitamins</b>	
CHU (N <sub>6</sub> ) Vitamins (100X)	VP010
CHU (N <sub>6</sub> ) Vitamins Solution (1000X)	PL017
<b>CLC / Ipomoea</b>	
CLC / Ipomoea Basal Medium (for Embryogenic Callus Growth, CP) w/ Vitamins; w/o CaCl <sub>2</sub> , Sucrose & Agar	PT028
CLC / Ipomoea Basal Medium (for Embryo Development, EP) w/ Vitamins; w/o Sucrose & Agar	PT029
<b>Macroelements</b>	
CLC / Ipomoea Macroelements (for Embryogenic Callus Growth, CP)	TS1045
CLC / Ipomoea Macroelements (for Embryo Development, EP)	TS1046
<b>Date Palm</b>	
Date Palm Callus Initiation Medium w/ Vitamins, Sucrose, 2,4-D, 2iP, Activated charcoal & Agar	PT084
Date Palm Regeneration Medium w/ 2iP, Activated charcoal, Sucrose & Agar	PT146
<b>De Greef And Jacobs</b>	
De Greef & Jacobs Medium w/ Vitamins; w/o Sucrose & Agar	PT031
<b>Macroelements</b>	
De Greef & Jacobs Macroelements	TS1048
<b>Microelements</b>	
De Greef & Jacobs Microelements (100X)	TS1047
<b>DKW / Juglans</b>	
DKW / Juglans Medium w/ Vitamins; w/o Sucrose & Agar	PT032
DKW / Juglans Medium w/ Vitamins & Sucrose; w/o Agar	PT147
DKW / Juglans Plant Salt Mixture	TS1115
<b>Macroelements</b>	
DKW / Juglans Macroelements	TS1050
<b>Microelements</b>	
DKW / Juglans Microelements (100X)	TS1049
<b>Vitamins</b>	

Product	Code
DKW / Juglans Vitamins (100X)	VP013
<b>Eriksson</b>	
Eriksson (ER) Medium w/ Vitamins; w/o Sucrose & Agar	PT033
Eriksson (ER) Medium w/ Vitamins & Sucrose; w/o Agar	PT148
<b>Macroelements</b>	
Eriksson (ER) Macroelements	TS1052
<b>Microelements</b>	
Eriksson (ER) Microelements (100X)	TS1051
<b>Vitamins</b>	
Eriksson (ER) Vitamins (100X)	VP014
<b>Fern</b>	
Fern Micropropagation Medium w/ Vitamins, NAA & Kinetin; w/o Sucrose & Agar	PT087
Stag Horn Fern Multiplication Medium w/ Vitamins, Sucrose, Adenine sulphate, IAA & Agar	PT119
Stag Horn Fern Rooting Medium w/ Vitamins, Sucrose & Agar	PT120
<b>Gamborg B5</b>	
Gamborg B5 Medium w/ CaCl <sub>2</sub> , Vitamins & Sucrose; w/o Agar	PT016
Gamborg B5 Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose & Agar;	PT017
Gamborg B5 Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose & CleriGel™;	PT017G
Gamborg B5 Medium w/ Vitamins; w/o Sucrose & Agar	PT127
Gamborg B5 Basal Solution (10X)	PL027
Gamborg B5 Plant Salt Mixture	TS1014
<b>Macroelements</b>	
Gamborg B5 Macroelements	TS1054
Gamborg B5 Macroelements Solution (10X)	PL003
<b>Microelements</b>	
Gamborg B5 / Kao Michayluk Microelements (100X)	TS1053
Gamborg B5 Microelements Solution (100X)	PL004
<b>Vitamins</b>	
Gamborg B5 Vitamins Solution (1000X)	PL018
<b>Geranium</b>	
Geranium Regeneration Medium w/ Vitamins, Sucrose, Plant Growth Regulators & Agar	PT165


Product	Code
Geranium Shoot Multiplication Medium w/Vitamins, Sucrose, Plant Growth Regulators & Agar	PT166
Geranium Rooting Medium w/Vitamins, Sucrose, Plant Growth Regulators & Agar	PT167
<b>Gerbera</b>	
Gerbera Multiplication Medium w/ CaCl <sub>2</sub> , Vitamins, Tyrosine, Sucrose, Adenine sulphate & Agar;	PT002
Gerbera Multiplication Medium w/ CaCl <sub>2</sub> , Vitamins, Tyrosine, Sucrose, Adenine sulphate & CleriGel™;	PT002G
Gerbera Multiplication Medium w/ CaCl <sub>2</sub> , Vitamins, Tyrosine, Sucrose & Adenine sulphate; w/o Agar	PT001
Gerbera Rooting Medium w/ Vitamins, Sucrose & CleriGel™	PT135G
<b>Gresshoff And Doy</b>	
Gresshoff & Doy (DBM2) Medium w/ Vitamins; w/o Sucrose & Agar	PT035
<b>Heller</b>	
Heller Medium w/ Macroelements & Microelements; w/o Vitamins, Sucrose & Agar	PT036
<b>Macroelements</b>	
Heller Macroelements	TS1034
<b>Microelements</b>	
Heller Microelements (100X)	TS1035
<b>Hoagland</b>	
Hoagland No. 2 Basal Salt Mixture	TS1094
Hoagland No. 2 Basal Salt Mixture (Modification No. 1)	TS1105
Hoagland No. 2 Basal Salt Mixture w/o Nitrogen	TS1117
Hoagland & Knop Medium w/ Agar; w/o Vitamins	PT126
<b>Kao &amp; Michayluk</b>	
Kao & Michayluk Medium w/ Macroelements & Microelements; w/o Vitamins, Sucrose & Agar	PT037
Kao & Michayluk Macroelements Solution (10X)	PL007
<b>Microelements</b>	
Kao & Michayluk Microelements Solution (100X)	PL008
<b>Vitamins</b>	
Kao & Michayluk Vitamins Solution (100X)	PL020
<b>Leifert &amp; Waites</b>	
Leifert & Waites Medium	PT125


Product	Code
<b>Linsmaier &amp; Skoog</b>	
Linsmaier & Skoog Medium w/ Vitamins; w/o Sucrose & Agar	PT040
Linsmaier & Skoog Medium w/ CaCl <sub>2</sub> , Vitamins & Sucrose; w/o Agar	PT095
Linsmaier & Skoog Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose & Agar	PT096
Linsmaier & Skoog Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose & CleriGel™	PT096G
 <i>Cordyline sp.</i> inoculated in PT096G	
Linsmaier & Skoog Modified Medium w/ CaCl <sub>2</sub> , FeNaEDTA, Vitamins & Sucrose; w/o Agar	PT097
Linsmaier & Skoog Medium w/ CaCl <sub>2</sub> , FeNaEDTA, Vitamins, Sucrose & Agar	PT098
Linsmaier & Skoog Medium w/ CaCl <sub>2</sub> , FeNaEDTA, Vitamins, Sucrose & CleriGel™	PT098G
<b>Macroelements</b>	
Linsmaier & Skoog Macroelements	TS1064
Linsmaier & Skoog Macroelements Solution (10X)	PL009
<b>Microelements</b>	
Linsmaier & Skoog / Murashige & Skoog Microelements (100X)	TS1063
Linsmaier & Skoog Microelements Solution (100X)	PL010
<b>Vitamins</b>	
Linsmaier & Skoog Vitamins (100X)	VP017
Linsmaier & Skoog Vitamins Solution (1000X)	PL021
<b>Litvay</b>	
Litvay Medium w/ Vitamins; w/o Sucrose & Agar	PT042
Litvay Medium w/ Sucrose & Agar; w/o Vitamins	PT140
<b>Macroelements</b>	
Litvay Macroelements	TS1066
<b>Microelements</b>	
Litvay Microelements (100X)	TS1065

Product	Code
<b>Murashige &amp; Skoog</b>	
Murashige & Skoog Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose & Agar	PT100
Murashige & Skoog Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose & CleriGel™	PT100G
Murashige & Skoog Medium w/ CaCl <sub>2</sub> , Vitamins & Sucrose; w/o Agar	PT099
 <i>Philodendron sp.</i> inoculated in PT099	
Murashige & Skoog Medium w/ CaCl <sub>2</sub> & Vitamins; w/o Sucrose & Agar	PT021
Murashige & Skoog Medium w/ Vitamins, Sucrose & Glucose; w/o Agar	PT145
Murashige & Skoog Medium w/ Sucrose, 6-BAP & Agar; w/o CaCl <sub>2</sub>	PT080
Murashige & Skoog Medium w/ Vitamins, Sucrose, 6-BAP & Agar; w/o CaCl <sub>2</sub>	PT011C
Murashige & Skoog Medium w/ Vitamins, Sucrose & Agar; w/o CaCl <sub>2</sub>	PT011
Murashige & Skoog Medium w/ Vitamins & Sucrose; w/o CaCl <sub>2</sub> & Agar	PT010
Murashige & Skoog Medium w/ Vitamins, Sucrose & CleriGel™; w/o CaCl <sub>2</sub>	PT011G
Murashige & Skoog Medium w/ Vitamins; w/o CaCl <sub>2</sub> , Sucrose & Agar	PT018
Murashige & Skoog Medium w/ CaCl <sub>2</sub> , Vitamins & MES; w/o Sucrose & Agar	PT045
Murashige & Skoog Medium w/ CaCl <sub>2</sub> ; w/o NH <sub>4</sub> NO <sub>3</sub> , KNO <sub>3</sub> , Vitamins, Sucrose & Agar	PT128
Murashige & Skoog Medium (Finer & Nagasawa Modification) w/ Macroelements & Microelements; w/o Vitamins, Sucrose & Agar	PT051
Murashige & Skoog Medium (Modification No. 1) w/ ½ Macroelements & Vitamins; w/o Sucrose & Agar	PT046
Murashige & Skoog Medium (Modification No. 2) w/ ¾ Macroelements & Vitamins; w/o Sucrose & Agar	PT047

Product	Code
Murashige & Skoog Medium (Modification No. 3) w/ ½ NH <sub>4</sub> NO <sub>3</sub> , ½ KNO <sub>3</sub> & Vitamins; w/o Sucrose & Agar	PT048
Murashige & Skoog Medium (Modification No. 4) w/ Vitamins; w/o NH <sub>4</sub> NO <sub>3</sub> , Sucrose & Agar	PT049
Murashige & Skoog Medium (Modification No. 5) w/ NH <sub>4</sub> NO <sub>3</sub> replaced by NaNO <sub>3</sub> ; w/o Vitamins, Sucrose & Agar	PT050
Murashige & Skoog Medium (Modification No. 6) w/ ½ Macroelements, ½ Microelements & Vitamins; w/o Sucrose & Agar	PT091
Murashige & Skoog Medium (Modification No. 7) w/ ½ NH <sub>4</sub> NO <sub>3</sub> , ½ KNO <sub>3</sub> , ½ CaCl <sub>2</sub> & Vitamins; w/o Sucrose & Agar	PT092
Murashige & Skoog Medium (Modification No. 8) w/ Vitamins; w/o NH <sub>4</sub> NO <sub>3</sub> , KNO <sub>3</sub> , Sucrose & Agar	PT093
Murashige & Skoog Medium (Modification No. 9) w/ ½ Macroelements, ½ Microelements & ½ Vitamins; w/o Sucrose & Agar	PT103
Murashige & Skoog Medium (Modification No. 10) w/ ½ NH <sub>4</sub> NO <sub>3</sub> & ½ KNO <sub>3</sub> ; w/o Vitamins, Sucrose & Agar	PT129
Murashige & Skoog Medium (Van der Salm Modification) w/ FeSO <sub>4</sub> replaced by FeEDDHA & Vitamins; w/o Sucrose & Agar	PT052
Murashige & Skoog Modified Medium w/ CaCl <sub>2</sub> & Gamborg B5 vitamins; w/o Sucrose & Agar	PT025
Murashige & Skoog Modified Medium w/ CaCl <sub>2</sub> & Nitsch vitamins; w/o Sucrose & Agar	PT044
Murashige & Skoog Modified Medium w/ CaCl <sub>2</sub> , FeNaEDTA, Vitamins & Sucrose; w/o Agar	PT101
Murashige & Skoog Modified Medium w/ CaCl <sub>2</sub> , FeNaEDTA, Vitamins, Sucrose & Agar	PT102
Murashige & Skoog Modified Medium w/ CaCl <sub>2</sub> , FeNaEDTA, Vitamins, Sucrose & CleriGel™	PT102G
Murashige & Skoog Modified Medium w/ CaCl <sub>2</sub> , Gamborg B5 vitamins & Sucrose; w/o Agar	PT114

Product	Code
Murashige & Skoog Shoot Multiplication Medium A w/ CaCl <sub>2</sub> , Vitamins, Sucrose, IAA, Adenine sulphate & 2iP; w/o Agar	PT022
Murashige & Skoog Shoot Multiplication Medium B w/ CaCl <sub>2</sub> , Vitamins & Adenine sulphate; w/o Sucrose & Agar	PT054
Murashige & Skoog Shoot Multiplication Medium B w/ CaCl <sub>2</sub> , Vitamins, Sucrose & Adenine sulphate; w/o Agar	PT115
Murashige & Tucker Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose & Agar	PT151
Murashige & Skoog Basal Soution (10X)	PL028
Murashige & Skoog Plant Salt Mixture w/ CaCl <sub>2</sub>	TS1004
Murashige & Skoog Plant Salt Mixture w/o CaCl <sub>2</sub>	TS1005
Murashige & Skoog Plant Salt Mixture w/ CaCl <sub>2</sub> , Inositol & Thiamine	TS1017
Murashige & Skoog Plant Salt Mixture w/o NH <sub>4</sub> NO <sub>3</sub>	TS1109
Murashige & Skoog Plant Salt Mixture w/ Macroelements & Microelements; w/o NH <sub>4</sub> NO <sub>3</sub> & KNO <sub>3</sub>	TS1110
Murashige & Skoog Plant Salt Mixture w/ ½ Macroelements & ½ Microelements	TS1111
Murashige & Skoog Plant Salt Mixture w/ FeNaEDTA	TS1112
Murashige & Skoog Plant Salt Mixture w/ ½ NH <sub>4</sub> NO <sub>3</sub> , ½ KNO <sub>3</sub> & ½ CaCl <sub>2</sub>	TS1118
<b>Macroelements</b>	
Murashige & Skoog Macroelements	TS1068
Murashige & Skoog (Modification No. 1) ½ concentration Macroelements	TS1069
Murashige & Skoog (Modification No. 2) ¾ <sup>th</sup> concentration Macroelements	TS1070
Murashige & Skoog (Modification No. 3) Macroelements w/ ½ NH <sub>4</sub> NO <sub>3</sub> & ½ KNO <sub>3</sub>	TS1071
Murashige & Skoog (Modification No. 5) Macroelements w/ NH <sub>4</sub> NO <sub>3</sub> replaced by NaNO <sub>3</sub>	TS1072
Murashige & Skoog (Finer & Nagasawa Modification) Macroelements w/ 1.6 x KNO <sub>3</sub> & 0.5 x NH <sub>4</sub> NO <sub>3</sub>	TS1073
Murashige & Skoog Shoot Multiplication Medium B Macroelements	TS1076
Murashige & Skoog Macroelements Soution (10X)	PL011
<b>Microelements</b>	
Murashige & Skoog Microelements Soution (100X)	PL012

Product	Code
Murashige & Skoog (Van der Salm Modification) Microelements (100X)	TS1074
<b>Vitamins</b>	
Murashige & Skoog Vitamins (100X)	VP021
Murashige & Skoog Modified Vitamins (100X)	VP022
Murashige & Skoog Modified Vitamins Solution (1000X)	PL034
Murashige & Skoog Vitamins Solution (1000X)	PL022
<b>NB</b>	
NB Medium w/ CHU macroelements, Gamborg microelements, Gamborg B5 vitamins & Sucrose; w/o Agar	PT107
<b>Nitsch</b>	
Nitsch Medium w/ Vitamins & Sucrose; w/o CaCl <sub>2</sub> & Agar	PT012
Nitsch Medium w/ Vitamins, Sucrose & Agar; w/o CaCl <sub>2</sub>	PT104
	<i>Brassica sp.</i> Inoculated in PT104
Nitsch Medium w/ Vitamins; w/o Sucrose & Agar	PT143
Nitsch Plant Salt Mixture	TS1013
<b>Macroelements</b>	
Nitsch Macroelements	TS1078
Nitsch & Nitsch Macroelements Solution (10X)	PL013
<b>Microelements</b>	
Nitsch Microelements (100X)	TS1077
Nitsch & Nitsch Microelements Solution (100X)	PL014
<b>Vitamins</b>	
Nitsch Vitamins (100X)	VP023
Nitsch & Nitsch Vitamins Solution (1000X)	PL023
<b>NLN</b>	
NLN Medium w/ Vitamins; w/o Calcium nitrate, Sucrose & Agar	PT094
<b>Macroelements</b>	
NLN Macroelements	TS1080



Product	Code
<b>Microelements</b>	
NLN Microelements (100X)	TS1079
<b>Vitamins</b>	
NLN Vitamins (100X)	VP024
<b>Orchid</b>	
BM-1 Terrestrial Orchid Medium w/ Vitamins, Sucrose, Casitose & Agar	PT062
BM-1 Terrestrial Orchid Medium w/ Vitamins, Sucrose, Casitose & CleriGel™	PT062G
BM-1 Terrestrial Orchid Medium w/ Vitamins, Sucrose & Casitose ; w/o Agar	PT063
BM-2 Terrestrial Orchid Medium w/ Vitamins, Sucrose, Casitose, 6-BAP & Agar	PT064
BM-2 Terrestrial Orchid Medium w/ Vitamins, Sucrose, Casitose, 6-BAP & CleriGel™	PT064G
Dendrobium (Orchid) Seed Germination Medium w/ Vitamins, Sucrose & Agar	PT152
	
Germination of <i>Dendrobium sp.</i> Inoculated in PT152	
Ichihashi New Phalaenopsis (NP) Medium w/ NH <sub>4</sub> NO <sub>3</sub> , Vitamins & Sucrose; w/o Agar	PT065
Knudson C Orchid Medium w/ Sucrose; w/o Vitamins & Agar	PT006
Knudson C Orchid Medium (Morel Modification) w/ Macroelements & Microelements; w/o Vitamins, Sucrose & Agar	PT038
Knudson C Orchid Medium (Morel Modification) w/ Sucrose; w/o Vitamins & Agar	PT066
Lindemann Orchid Medium w/ Macroelements & Microelements; w/o Vitamins, Sucrose & Agar	PT039
Lindemann Orchid Medium w/ Vitamins & Sucrose; w/o Agar	PT067
Malmgren Modified Terrestrial Orchid Medium w/ Vitamins, Casitose, Pineapple powder, Activated charcoal & Agar; w/o Sucrose	PT068
Murashige Cattleya Orchid Multiplication Medium w/ Vitamins, Sucrose, Citric acid, IAA, IBA & NAA; w/o Agar	PT069
Mitra Orchid Medium w/ Vitamins & Sucrose; w/o Agar	PT106




Product	Code
Mitra Orchid Medium w/ Vitamins; w/o Sucrose & Agar	PT139
Orchid Maintenance Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose, Tryptone, MES & Activated charcoal; w/o Agar	PT055
Orchid Maintenance Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose, HiVeg™ peptone, MES & Activated charcoal; w/o Agar	PT071
Orchid Maintenance Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose, HiVeg™ peptone, MES, Activated charcoal & Agar	PT072
Orchid Maintenance / Replate Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose, HiVeg™ peptone, MES & Agar; w/o Activated charcoal	PT070
Orchid Maintenance / Replate Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose, HiVeg™ Peptone & MES; w/o Activated charcoal & Agar	PT154
Orchid Maintenance / Replate Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose, HiVeg™ peptone, MES & CleriGel™; w/o Activated charcoal	PT070G
Orchid Maintenance / Replate Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose, Banana powder, HiVeg™ peptone, MES & Activated charcoal; w/o Agar	PT073
Orchid Maintenance / Replate Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose, Banana powder, HiVeg™ peptone, MES, Activated charcoal & Agar	PT074
Orchid Maintenance Organic Mixture	TS1083
Orchid Multiplication Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose, 6-BAP & NAA; w/o Activated charcoal & Agar	PT155
Vacin & Went Medium w/ Macroelements & Microelements; w/o Vitamins, Sucrose & Agar	PT041
Vacin & Went Modified Medium w/ Ferric tartrate replaced by FeSO <sub>4</sub> & Sucrose; w/o Vitamins & Agar	PT081
Vacin & Went Medium w/ Thiamine, Sucrose & Agar	PT082
<b>Macroelements</b>	
Knudson C Orchid Macroelements (Morel Modification)	TS1060
Lindemann Orchid Macroelements	TS1062
Orchid Maintenance Macroelements	TS1082
Vacin & Went Macroelements	TS1091
<b>Microelements</b>	
Knudson C Orchid Microelements (100X)	TS1059
Lindemann Orchid Microelements (100X)	TS1061
Orchid Maintenance Microelements (100X)	TS1081





Product	Code
Vacin & Went Microelements (100X)	TS1090
<b>Vitamins</b>	
Morel & Wetmore Vitamins (100X)	VP028
Morel & Wetmore Vitamins Solution (100X)	PL035
<b>Poinsettia</b>	
Poinsettia Regeneration Medium w/ Vitamins, Sucrose, Plant growth regulators, Casitose & Agar	PT159
Poinsettia Multiplication Medium w/ Vitamins, Sucrose, Plant growth regulators & Agar	PT160
Poinsettia Rooting Medium w/ Vitamins, Sucrose, Plant growth regulators & Agar	PT161
<b>Potato</b>	
Potato Micropropagation Medium w/ CaCl <sub>2</sub> , Vitamins, IAA & Kinetin; w/o Sucrose & Agar	PT090
Potato Establishment Medium w/ Vitamins, 6-BAP, Sucrose & Agar	PT132
Potato Multiplication Medium w/ Vitamins, 6-BAP & Sucrose; w/o Agar	PT133
Potato Tuberization Medium w/ Vitamins, 6-BAP & Sucrose; w/o Agar	PT134
<b>Quoirin &amp; Lepoivre</b>	
Quoirin & Lepoivre Medium w/ Vitamins; w/o Sucrose & Agar	PT056
<b>Rhododendron</b>	
Anderson Rhododendron Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose, Adenine sulphate & Agar;	PT019
Anderson Rhododendron Medium w/ CaCl <sub>2</sub> , Vitamins, Sucrose, Adenine sulphate & CleriGel™;	PT019G
Anderson Rhododendron Plant Salt Mixture	TS1016
<b>Macroelements</b>	
Anderson Rhododendron Macroelements	TS1039
<b>Microelements</b>	
Anderson Rhododendron Microelements (100X)	TS1038
<b>Vitamins</b>	
Anderson Rhododendron Vitamins (100X)	VP008
<b>Rose</b>	
Rose Establishment Medium w/ Vitamins, Sucrose, 6-BAP, IAA & Agar	PT144

Product	Code
Rose Multiplication Medium w/ Vitamins, Sucrose, 6-BAP, IAA & Agar	PT141
Rose Rooting Medium w/ Vitamins, Sucrose, 6-BAP, NAA & Agar	PT142
<b>Rugini Olive</b>	
Rugini Olive Medium w/ Vitamins; w/o Sucrose & Agar	PT057
Rugini Olive Medium w/ Vitamins & Sucrose; w/o Agar	PT149
<b>Macroelements</b>	
Rugini Olive Macroelements	TS1087
<b>Vitamins</b>	
Rugini Olive Vitamins (100X)	VP027
<b>Staba</b>	
Staba Modified Vitamins (100X)	VP029
<b>Schenk &amp; Hildebrandt</b>	
Schenk & Hildebrandt Medium w/ Vitamins; w/o Sucrose & Agar	PT059
Schenk & Hildebrandt Medium w/ Vitamins & Sucrose; w/o Agar	PT116
Schenk & Hildebrandt Modified Medium w/ ½ Macroelements, ½ Microelements, ½ Vitamins & Sucrose; w/o Agar	PT137
Schenk & Hildebrandt Modified Medium w/ Vitamins, Sucrose & Agar	PT138
Schenk & Hildebrandt Plant Salt Mixture	TS1102
Schenk & Hildebrandt Plant Salt Mixture w/o CaCl <sub>2</sub>	TS1116
<b>Macroelements</b>	
Schenk & Hildebrandt Macroelements	TS1089
<b>Microelements</b>	
Schenk & Hildebrandt Microelements (100X)	TS1088
<b>Vitamins</b>	
Schenk & Hildebrandt Vitamins (100X)	VP026
<b>Spathiphyllum</b>	
Spathiphyllum Regeneration Medium w/ Vitamins & Sucrose; w/o Agar	PT157
<b>Strawberry</b>	
Strawberry Multiplication Medium w/ Vitamins, Sucrose, 6-BAP & Agar	PT117
Strawberry Rooting Medium w/ Vitamins, Sucrose, IBA, Activated charcoal & Agar	PT118

Product	Code
<b>Syngonium</b>	
Murashige & Miller Medium (Syngonium Stage I & II) w/ NaH <sub>2</sub> PO <sub>4</sub> & Vitamins; w/o Sucrose & Agar	PT053
	<i>Syngonium sp.</i> inoculated in PT053
Syngonium Rooting Medium w/ Vitamins, Sucrose & CleriGel™	PT136G
<b>Macroelements</b>	
Murashige & Miller (Syngonium Stage I & II) Macroelements	TS1075
<b>Tobacco</b>	
Tobacco Callus Initiation Medium w/ Vitamins, Casitose, IAA & Kinetin; w/o Sucrose & Agar	PT088
<b>Tomato</b>	
Tomato Regeneration Medium w/ Vitamins, Sucrose & CleriGel™	PT130G
Tomato Regeneration Medium w/ Vitamins & CleriGel™; w/o Sucrose	PT131G
<b>Westvaco</b>	
Westvaco WV3 Medium w/ Vitamins; w/o Sucrose & Agar	PT085
Westvaco WV5 Medium w/ Vitamins; w/o Sucrose & Agar	PT086
<b>White</b>	
White Medium w/ Vitamins & Sucrose; w/o Agar	PT014
	<i>Sugarcane sp.</i> Inoculated in PT014
White Modified S-3 Medium w/ Vitamins, Amino acids & Sucrose; w/o Agar	PT015
White Root Culture Modified Medium w/ Vitamins & Sucrose; w/o Agar	PT009
<b>Macroelements</b>	
White Macroelements Solution (10X)	PL015

Product	Code
<b>Woody Plant</b>	
Woody Plant Medium w/ CaCl <sub>2</sub> , Vitamins & Sucrose; w/o Agar	PT105
	<i>Ficus sp.</i> Inoculated in PT105
Woody Plant Medium w/ CaCl <sub>2</sub> & Vitamins; w/o Sucrose & Agar	PT026
<b>Macroelements</b>	
Woody Plant Macroelements	TS1036
<b>Microelements</b>	
Woody Plant Microelements (100X)	TS1037
<b>Vitamins</b>	
Woody Plant Vitamins (100X)	VP007
<b>Yoshida</b>	
Yoshida Solution (10X) For hydroponic rice seedling culture	PL039
<b>Chelated Iron Solution (Liquid Sterile Filtered)</b>	
Ferrous Chelated Solution (100X)	PL025
<b>Teaching Aids</b>	
HiMedia is offering kits for educational trial demonstration with aim to assist the plant tissue culture beginners. The kits are designed in a simple user friendly manner for different plant tissue culture applications.	
HiPer® Aster Plant Tissue Culture Teaching Kit To demonstrate in vitro propagation of Aster sps.	TP008
HiPer® Carnation Plant Tissue Culture Teaching Kit To demonstrate in vitro propagation of Carnation sps.	TP004
	
Red Carnation	Pink Carnation
HiPer™ Carrot Plant Tissue Culture Teaching Kit To demonstrate in vitro propagation of Carrot sps.	TP009
HiPer® Dahlia Plant Tissue Culture Teaching Kit To demonstrate in vitro propagation of Dahlia sps.	TP005
HiPer® Gelling agents kits To enable comparative study of different gelling agents.	TP002
HiPer® Gerbera Plant Tissue Culture Teaching Kit To demonstrate in vitro propagation of Gerbera sps.	TP006
HiPer® Marigold Plant Tissue Culture Teaching Kit To demonstrate in vitro propagation of Marigold sps.	TP007

Product	Code
 Yellow Marigold	 Orange Marigold
HiPer® Plant Tissue Culture Teaching / Hobby Kit (for 10 experiments) To demonstrate in vitro propagation techniques	TP001
HiPer® Sterilization agent Kit Designed for studying effects of different sterilization agents.	TP003



Phycology Media (Liquid Sterile Filtered)	
Allen Basal Solution (10X)	PL037
BG-11 Basal Solution (10X)	PL030
Bold Basal Solution (10X)	PL031
CHU Basal Solution No. 10 (10X)	PL032
f/2 Guillard's Marine Enriched Solution (10X)	PL041
Seawater Solution No. 1 (10X)	PL044
Sueoka's Basal Solution (10X)	PL042
TAP Basal Solution (10X)	PL038
Z8 Basal Solution (10X)	PL040
Phycology Media (Powder)	
Artificial Seawater Nutrient Medium (III)	PT153

## Phytopathological Media / Supplement

Product	Code
<b>Phytopathological Media</b>	
Phyto Boric Acid Peptone Agar Base (KBBC Medium)	PHM001
Phyto Buffered Starch Agar Base (mFS Medium)	PHM002
*Phyto Casein Hydrolysate Sucrose Agar (Bacteria Screening Medium 523)	PHM003
Phyto Casein Hydrolysate Yeast Extract Agar Base (D2ANX Medium)	PHM004
Phyto Cmm Agar Base (SCM Medium)	PHM005
Phyto Lactose Trehalose Agar Base (mKM Medium)	PHM006
Phyto Peptone Bromide Agar Base (mTBM Medium)	PHM007
Phyto Proteose Agar Medium Base (KB Medium)	PHM008
Phyto Pspi Agar Base (SNAC Medium)	PHM009
Phyto Pspo Agar Base (PSM Medium)	PHM010
Phyto Pst Agar Base (KBZ Medium)	PHM011
Phyto Semiselective Agar Base (CKTM Medium)	PHM012
Phyto Starch Peptone Agar Base with CV (mxcp1 Medium)	PHM013
Phyto Starch Tyrosine Peptone Agar (PTSA Medium)	PHM014
Phyto Sterility Test Medium (Leifert and Waites Sterility Test Medium)	PHM015
Phyto Sucrose Peptone Agar Base (MSP Medium)	PHM016
Phyto Tbb Agar Base (MXV Medium)	PHM017
Phyto Tyrosine Peptone Agar Base (MT Medium)	PHM018

Product	Code
Phyto Xano Camp Agar Base (mCS20ABN Medium)	PHM019
Phyto XcCar Agar Base (mD5A Medium)	PHM020
Phyto Xcv Agar Base (mTMB Medium)	PHM021
Phyto Yeast Extract Glucose Agar (YDC Medium)	PHM022
Mathur's Medium, Modified	PHM023
Phyto Peptone Sucrose Agar	PHM026
<b>Phytopathological Supplement</b>	
CNTB Supplement	PHS005
CN Supplement - I	PHS008
CNBGM Supplement	PHS016
CCFT Supplement	PHS017
CCFTNB Supplement	PHS011
CCFTNB Supplement - I	PHS013
CCTP Supplement	PHS010
CN Supplement	PHS007
CNC Supplement	PHS001
CNF Supplement	PHS006
CNFT Supplement	PHS012
CNNP Supplement	PHS004
CNP Supplement	PHS003
CNV Supplement	PHS014
CNVB Supplement	PHS009
NNB Supplement	PHS015
NMPT Supplement	PHS002
PSA Supplement	PHS018

## Gelling Agent

Product	Code
Agar Powder	PCT0901
CleriGar™	PCT0902
Carrageenan	PCT0907
HiGel Agar X™	PCT0908

Product	Code
CleriGel™ Super	PCT0906
CleriGel™ Ultra	PCT0903
HiPer® Gelling agents kit	TP002

# GELLING AGENTS

Plant Tissue Culture takes place in three-dimensional space. Callus cells, singly or in very small clusters, can be grown in liquid media, but for shoots to extend up and then roots to penetrate, a semi-solid gel surface is needed. This necessity warrants the use of gelling agents, as an important component of the medium.

The primary reason to use gelling agents is to create a semi-solidified media gel providing proper anchorage to the cultures. The gelling agents also have inherent physical and chemical properties of controlling the movement and availability of water and ions in the matrix, thus contributing to osmotic potential of the medium.

The choice of gelling agent may change with the stage of micropropagation and can influence growth of the culture. Both purity and cost of the gelling agent are important factors in any research or production operation.

HiMedia offers a wide range of gelling agents with at par quality, clarity and gelling strength which includes Agar, CleriGel™ Ultra, CleriGel™ Super, CleriGar™, CleriGar™, HiGel Agar X™ and Carrageenan.

The Gel strength of the gelling agents is tested using calibrated gel strength tester machine, TAXT Express standard texture analyzer as well as by assessing firmness of the gel.

**For more info :**

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# PLANT GROWTH REGULATORS

Plant hormones or plant growth substances are naturally occurring chemicals within plant tissues, which play a regulatory function in growth and development of a plant. These are usually synthesized in certain part of the plant and moved through the plant from one part to another. Chemicals prepared synthetically or through fermentation processes, which mimic the action of naturally occurring growth substances and have an ability to modify plant growth in some way, are termed as plant growth regulators.

The five major classes of Plant Growth Regulators are Auxins, Cytokinins, Gibberellins, Polyamines and Abscisic acid. Each of the growth regulator has a specific role and function which can be used to promote various physiological processes like callus induction, somatic embryogenesis, root formation, inhibition of axillary bud, cell elongation/ division, regulation of organogenesis, soma clonal variation, seed germination etc. Each response is often the result of two or more regulators

acting together. Auxins and Cytokinins are by far the most commonly used regulators and usually form an integral part of nutrient media.

**For more info :**

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## Plant Growth Regulators

Product	Code	Product	Code
<b>Auxins</b>		Daminozide (Alar)	PCT0838
p-Chlorophenoxyacetic acid New	PCT0841	Dikegulac	PCT0832
Dicamba	PCT0834	Ethephon	PCT0853
Indole-3-acetic acid (IAA)	PCT0803	Fluridon	PCT0843
IAA solution	PCT1404	Flurprimidol	PCT0844
Indole-3-butyric acid (IBA)	PCT0804	Glyphosate	PCT0835
IBA solution	PCT1405	(±)-Jasmonic acid	PCT0805
Indole-3-propionic acid (IPA)	PCT0831	Maleic hydrazide	PCT0818
IPA solution	PCT1407	Melatonin	PCT0840
α-Naphthaleneacetic acid (NAA)	PCT0809	Paclobutrazol	PCT0828
NAA solution	PCT1402	Phloroglucinol	PCT0836
2-Naphthoxyacetic acid (NOA)	PCT0810	Picloram	PCT0829
NOA solution	PCT1408	Putrescine dihydrochloride	PCT0811
N-1-naphthylphthalamic acid (NPA)	PCT0845	Salicylic acid	PCT0826
<b>Cytokinins</b>		Spermidine	PCT0812
4- CPPU	PCT0851	Spermine	PCT0821
Adenine (6-Aminopurine; Vitamin B4)	PCT0842	Thiabendazole	PCT0819
Adenine sulphate	PCT0801	2,3,5-Triiodobenzoic acid (TIBA)	PCT0823
Dihydrozeatin (DHZ)	PCT0852		
N <sup>6</sup> -Benzoyladenine	PCT0808		
6-Benzyladenine (6-BAP)	PCT0802		
6-BAP solution	PCT1403		
N <sup>6</sup> -(2-Isopentenyl)adenine; (2iP)	PCT0807		
N <sup>6</sup> -(2-Isopentenyl)adenine; (2-iP) riboside	PCT0850		
Kinetin	PCT0806		
Kinetin solution	PCT1406		
Thidiazuron (TDZ)	PCT0820		
Thidiazuron (TDZ) solution	PCT1409		
meta-Topolin	PCT0827		
meta-Topolin solution	PCT1410		
Zeatin	PCT0813		
Zeatin solution	PCT1411		
trans-Zeatin riboside	PCT0814		
<b>Gibberellins</b>			
Gibberellic acid (GA3)	PCT0830		
<b>Others</b>			
(±)-Abscisic acid	PCT0815		
Ancymidol	PCT0837		
Chitosan	PCT0817		
Chlormequat chloride	PCT0824		
trans-Cinnamic Acid	PCT0846		

# CONTAMINATION CONTROL SYSTEMS

Avoidance or prevention of microbial contamination in plant tissue culture is critical. Microbial contamination is one of the major challenges in Plant Tissue Culture. Microorganisms infecting plant tissue culture leads to depletion of nutrients in the medium and reduces chances of survival of the plant culture.

To counter the contamination issues, HiMedia offers a wide range of antimicrobials including antibiotics, antifungals and selection agents. Our proprietary products like Phytapro™ and antimicrobial supplement are broad spectrum biocide and have been specially designed for use in plant tissue culture.

The potential of antibiotics as selection agents has been very well realized in plant transformation systems and we provide a wide range of important selection agents including Hygromycin B, Kanamycin, Timentin, neomycin etc.

**For more info :**

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## Contamination Control Systems

Product	Code
Acyclovir New	PCT1140
Amiprophos methyl	PCT1141
Amoxicillin	PCT1107
Amoxicillin:clavulanic acid potassium salt (5:1) (Augmentin)	PCT1115
Amphotericin B	PCT1108
Atrazine	PCT1143
Bacitracin	PCT1109
Carbendazim	PCT1121
Carbenicillin disodium salt	PCT1102
Carboxin	PCT1144
Cephalexin	PCT1129
Cephalexime sodium salt	PCT1103
Chloramphenicol	PCT1117
Chlorhexidine digluconate	PCT1146
Clindamycin Hydrochloride	PCT1147
Colistin sulphate	PCT1142
Cycloheximide	PCT1122
D-Cycloserine (D-4-Amino-3-isoxazolidone)	PCT1130
Doxycycline Hydrochloride	PCT1138
Erythromycin	PCT1123
5-Fluorouracil (5-FU)	PCT1139
G-418 disulfate salt	PCT1116
Gentamicin sulphate	PCT1118
Griseofulvin	PCT1148
8-Hydroxyquinoline	PCT1128
Hygromycin-B	PCT1104
Kanamycin acid sulphate	PCT1105
6-Mercaptopurine monohydrate	PCT1127
Miconazole nitrate	PCT1110
Mitomycin C	PCT1131
Neomycin sulphate	PCT1111
Nystatin	PCT1112
Paromomycin sulphate	PCT1124
Penicillin G sodium salt 1 million units/vl	PCT1132
Polymyxin B Sulphate	PCT1125
Ribavirin	PCT1133
Rifampicin	PCT1119
Spectinomycin dihydrochloride	PCT1134
Streptomycin sulphate	PCT1120

Product	Code
Sulphamethoxazole	PCT1135
Tetracycline hydrochloride	PCT1126
Thimerosal	PCT1136
Timentin	PCT1113
Trimethoprim	PCT1137
Vancomycin hydrochloride	PCT1114
Oxytetracycline HCl	PCT1149
<b>Antibiotic Solutions (Sterile Filtered)</b>	
Ampicillin solution	PCT1507
Carbenicillin solution	PCT1501
Cephotaxime solution	PCT1502
Cephotaxime solution	PCT1505
Hygromycin B solution	PCT1503
Kanamycin solution	PCT1504
Neomycin sulphate solution	PCT1506
Timentin solution	PCT1508
<b>Antimicrobial Supplement</b>	
Antimicrobial supplement	PCT1106
<b>PhytaPro™</b>	
PhytaPro™	PL047
<b>Disinfectants</b>	
Benzalkonium chloride	PCT1322
Calcium hypochlorite	PCT1509
Diethylpyrocarbonate	PCT1510
Hydrogen peroxide	PCT1511
Mercuric chloride	PCT1512
Silver nitrate	PCT1307
Sodium hypochlorite	PCT1311
HiPer® Sterilization agent Kit	TP003
Tween® 20	PCT1310
Tween® 80	PCT1513

# PLANT TISSUE CULTURE TESTED CHEMICALS

HiMedia is one of the foremost supplier of comprehensive range of plant tissue culture tested chemicals and biochemicals. The complete range of plant tissue culture tested chemicals are assessed analytically for chemical parameters along with specific plant tissue culture tests in order to verify their suitability in specific applications.

Many users prefer to design their own formulations, keeping this requirement in mind, we offer a wide range of chemicals including macroelements, microelements, amino acids, carbohydrates, vitamins and organic supplements.

All our products undergo stringent quality control required to maintain consistency and quality. We have developed in-house testing criteria for all our products and have defined release criteria. The routine testing protocol includes parameters such as:

Quality Parameter	Description
Appearance	Individual product is tested for Color, Texture, Nature, Consistency
Solubility	Individual product's solubility is tested in the solvents that they are soluble in
FTIR	Infrared absorption and emission spectra are measured and are matched with the standard spectrum
Assay	Qualitative/ Quantitative measurement of the analyte is done by carrying out different kinds of assays
Melting Range	Purity of a substance and amount of impurities present in a sample is determined
Plant Tissue Culture Test	Application test

**For more info :**

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## Plant Tissue Culture Tested Chemicals

Product	Code
<b>Adsorbent</b>	
Polyvinyl pyrrolidone (PVP 10)	PCT1004
Polyvinylpyrrolidone (PVP) K-30	PCT1002
Polyvinylpolypyrrolidone (PVPP)	PCT1003
<b>Amino Acids</b>	
L-Alanine	PCT0301
L-Arginine	PCT0302
L-Asparagine monohydrate	PCT0303
L-Aspartic acid	PCT0304
L-Cysteine	PCT0305
L-Cysteine HCl monohydrate	PCT0325
L-Cystine	PCT0306
L-Glutamic acid	PCT0307
D-Glutamine	PCT0324
L-Glutamine	PCT0308
Glutathione	PCT0309
Glycine	PCT0310
L-Histidine	PCT0311
L-Isoleucine	PCT0312
L-Leucine	PCT0313
L-Lysine	PCT0314
L-Methionine	PCT0315
L-Ornithine monohydrochloride	PCT0323
L-Phenylalanine	PCT0316
L-Proline	PCT0317
L-Serine	PCT0318
L-Threonine	PCT0319
L-Tryptophan	PCT0320
L-Tyrosine	PCT0321
L-Valine	PCT0322
<b>Buffers</b>	
MES buffer	PCT0701
<b>Carbohydrates (Carbon Source)</b>	
$\alpha$ -Cyclodextrin	PCT0608
$\beta$ -Cyclodextrin	PCT0609
Dextrose monohydrate	PCT0612
D-(-)-Fructose	PCT0601
D-(+)-Galactose	PCT0602
D-(+)-Glucose anhydrous	PCT0603
Maltodextrin	PCT0611
D-(+)-Maltose monohydrate	PCT0613
D-Mannitol	PCT0604
D-(+)-Mannose	PCT0605

Product	Code
D-(-)-Ribose	PCT0614
D-(-)-Sorbitol	PCT0606
Sucrose	PCT0607
Sucrose: Beetroot	PCT0616
D-(+)-Trehalose dihydrate	PCT0610
D-Xylose	PCT0615
<b>Dyes And Stains</b>	
Acetocarmine	PCT1304
Alcian blue 8GX	PCT1514
Bromocresol purple	PCT1515
Bromothymol Blue	PCT1516
Calcofluor White M2R	PCT1551
Methylene blue, trihydrate	PCT1517
<b>Enzymes</b>	
Cellulase	PCT1518
Macerozyme R-10	PCT1531
Pectinase	PCT1519
Pectolyase	PCT1520
<b>Indicators</b>	
Blue tetrazolium chloride	PCT1209
BCIP (5-Bromo-4 chloro-3-indolyl phosphate disodium salt)	PCT1201
X- $\alpha$ -Gal (5-Bromo-4-chloro-3-indolya-D-galactopyranoside)	PCT1208
X-Gal (5-Bromo-4-chloro-3-indolyl- b-D-galactopyranoside)	PCT1202
Magenta <sup>TM</sup> -Glucuro CHA salt (5-Bromo-6-chloro-3-indolyl-b-D-glucuronide cyclohexylammonium salt)	PCT1203
X-Glucoside (5-Bromo-4-chloro-3-indolyl- b-D-glucopyranoside)	PCT1204
X-Glucuronide CHA salt (5-Bromo-4-chloro-3-indolyl-b-D-glucuronide cyclohexylammonium salt)	PCT1205
X-Glucuronide sodium salt (5-Bromo-4-chloro-3-indolyl- b-D-glucuronide sodium salt)	PCT1206
Bluo-Gal (5-Bromo-3-indolyl-b-D-galactopyranoside)	PCT1207
Tetrazolium salt	PCT1309
<b>Macro Elements</b>	
Ammonium dihydrogen phosphate	PCT0001
Ammonium sulphate	PCT0003
Calcium chloride anhydrous	PCT0017
Calcium chloride dihydrate	PCT0004
Calcium nitrate tetrahydrate	PCT0005

Product	Code
Calcium phosphate tribasic	PCT0006
Magnesium nitrate hexahydrate	PCT0007
Magnesium sulphate anhydrous	PCT0125
Magnesium sulphate heptahydrate	PCT0008
Potassium chloride	PCT0012
Potassium dihydrogen phosphate	PCT0009
Potassium phosphate dibasic anhydrous	PCT0018
Potassium sulphate	PCT0011
Sodium dihydrogen phosphate monohydrate	PCT0013
Sodium nitrate	PCT0014
Sodium sulphate anhydrous	PCT0015
Metabolites	
Caffeine anhydrous	PCT1544
Catechol	PCT1545
Gallic acid monohydrate	PCT1546
Quercetin dihydrate	PCT1547
Quinine	PCT1548
Tannic acid	PCT1549
Media Dyes	
Apple green colour	PCT1313
Blue colour	PCT1314
Pea green colour	PCT1312
Yellow colour	PCT1315
Micro Elements	
Ammonium chloride	PCT0123
Ammonium molybdate tetrahydrate	PCT0119
Boric acid	PCT0102
Cobalt chloride hexahydrate	PCT0103
Cobalt nitrate hexahydrate	PCT0120
Copper (II) sulphate pentahydrate	PCT0104
EDTA disodium salt dihydrate	PCT0105
EDTA ferric monosodium salt	PCT0106
Fe-EDDHA	PCT0121
Ferric ammonium citrate	PCT0107
Ferric chloride hexahydrate	PCT0108
Ferric citrate monohydrate	PCT0109
Ferric sulphate hydrate	PCT0124
Ferrous sulphate heptahydrate	PCT0111
Manganese (II) chloride tetrahydrate	PCT0112
Manganese (II) sulphate monohydrate	PCT0113
Molybdenum trioxide	PCT0114
Nickel (II) chloride hexahydrate	PCT0115
Potassium iodide	PCT0116
Sodium molybdate dihydrate	PCT0117
Sodium thiosulphate pentahydrate	PCT0122

Product	Code
Zinc sulphate heptahydrate	PCT0118
Miscellaneous Chemicals	
Acetosyringone	PCT1301
Acetylsalicylic acid	PCT1526
Calcium carbonate	PCT1528
Calcium silicate	PCT1326
D-(+)-Cellobiose	PCT1529
Colcemid	PCT1553
Colchicine	PCT1302
DAPI Dihydrochloride	PCT1539
N,N-Dimethylformamide	PCT1533
Dimethyl sulphoxide (DMSO)	PCT1303
Dimethylsiloxane, Ethylene Oxide Block Copolymer	PCT1554
Ethyl methanesulphonate	PCT1324
Glycerin (glycerol)	PCT1541
Guaiacol	PCT1555
HEPES	PCT1532
Hydroquinone	PCT1556
DL- $\alpha$ -Lipoic acid	PCT1321
2-Nitrophenyl- $\beta$ -galactopyranoside	PCT1558
DL-Phosphinothricin	PCT1537
PIPES	PCT1530
Pluronic F-68	PCT1538
Poly(vinyl alcohol) (hot water soluble)	PCT1316
Potassium hydroxide	PCT1560
Potassium permanganate	PCT1534
Oryzalin	PCT1559
Silver thiosulphate	PCT1308
Sodium alginate	PCT1317
Sodium Bicarbonate	PCT1535
Sodium hydroxide	PCT1325
Sodium metasilicate	PCT1327
Trifluralin	PCT1536
Organic Acids	
Citric acid anhydrous	PCT0501
$\alpha$ -Ketoglutaric acid	PCT0505
L-(-)-Malic acid	PCT0502
Sodium pyruvate	PCT0503
Succinic acid	PCT0504
Organic Supplements	
Apple pectin	PCT0411
Apple powder	PCT0401
Banana powder	PCT0402

Product	Code
Tryptone	PCT0403
Coconut water	PCT0414
HiVeg™ Peptone No.1	PCT0406
Lactalbumin hydrolysate	PCT1540
Malt extract powder	PCT0412
Malt extract powder, refined	PCT0413
Peptone from meat	PCT0407
Potato powder	PCT0409
Tomato powder	PCT0410
<b>Steroids/Sterols</b>	
Brassinolide	PCT1522
Campesterol	PCT1523
Epibrassinolide	PCT1550
$\beta$ Sitosterol	PCT1524
Stigmasterol	PCT1525
<b>Vitamins</b>	
L-Ascorbic acid	PCT0207
D-Biotin	PCT0201
Calcium D-pantothenate	PCT0202

Product	Code
Cholecalciferol	PCT0216
Choline chloride	PCT0203
Cyanocobalamin	PCT0204
Folic acid	PCT0205
Hypoxanthine	PCT0206
Inositol	PCT0208
Niacinamide (Nicotinamide)	PCT0209
Niacin (Nicotinic acid)	PCT0210
PABA	PCT0211
Pyridoxine hydrochloride	PCT0212
(-)-Riboflavin	PCT0214
Thiamine hydrochloride	PCT0215

# PLANT TISSUE CULTURE SYSTEMS / ACCESSORIES

One of the important pre-requisite for any tissue culture plant is the requirement of sterile environment for their growth and development. We offer a wide range of plant tissue culture tested systems and accessories with best quality to provide sterile environment for the acceleration of your research processes. We provide a wide range of PhytaJars with varied shapes and sizes for better visualization along with more space for proliferation and growth of the culture. Other lab accessories includes stainless steel forceps, stainless steel stands, scalpel holder, scalpel blades etc. that are bio assayed for plant tissue culture tests.


As maintaining sterility is of prime importance in plant tissue culture, we offer PhytaCap™ and PhytaWrap™ for capping and sealing of the plant tissue containers, which would help our commercial users to a great extent.





**For more info :**

[ptc@himedialabs.com](mailto:ptc@himedialabs.com) | [www.himedialabs.com](http://www.himedialabs.com)



## Plant Tissue Culture Systems / Accessories


Product	Code
<b>Phyta Jars with Vented lids</b>	
Phyta Jar (Vented plant tissue culture container) Size : 78 x 78 x 95 mm	PW1302
	



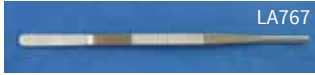
Phyta Jars without Vented lids	
	
	



Phyta Jar Size : 108 x 90 x 65 mm	PW1301
Phyta Jar (Round container) Size: 67 mm diameter x 78 mm	PW1125
Phyta Jar (Square container) Top size: approx. 74 x 71 x 98 mm	PW1138
Phyta Jar (Square container) Top size: approx. 75 x 74 x 138mm	PW1143





PhytaCap™	
PhytaCap™	PLA008
	

Sterile Disposable Petri Plates	
Sterile Disposable Petri Plates (Polystyrene) Size : 110 mm diameter x 40 mm	PW1244
	

Product	Code
Sterile Disposable Petri Plates Size: 90 mm diameter x 25 mm	PLA001
	

Stainless Steel Forceps, Blunt & Pointed	
	
Stainless Steel Forceps, Blunt Size: 6 inch	LA706
Stainless Steel Forceps, Blunt Size: 8 inch	LA707
Stainless Steel Forceps, Blunt Size: 10 inch	LA708
Stainless Steel Forceps, Blunt Size: 12 inch	LA767
	
Stainless Steel Forceps, Pointed Size: 6 inch	LA709
Stainless Steel Forceps, Pointed Size: 8 inch	LA710
Stainless Steel Forceps, Pointed Size: 9 inch	LA721
Stainless Steel Forceps, Pointed Size: 10 inch	LA711
Stainless Steel Forceps, Blunt Bright polished with German type grip Size: 6 inch, SS 410	LA821

	
Stainless Steel Forceps, Pointed Bright polished with German type grip Size: 6 inch, SS 410	LA822
Stainless Steel Forceps, Blunt Bright polished with German type grip Size: 8 inch, SS 410	LA823
Stainless Steel Forceps, Pointed Bright polished with German type grip Size: 8 inch, SS 410	LA824

Product	Code
Stainless Steel Forceps, Blunt Bright polished with German type grip Size: 10 inch, SS 410	LA825
Stainless Steel Forceps, Pointed Bright polished with German type grip Size: 10 inch, SS 410	LA826
Stainless Steel Forceps, Blunt Bright polished with German type grip Size: 12 inch, SS 410	LA827
Stainless Steel Forceps, Pointed Bright polished with German type grip Size: 12 inch, SS 410	LA828
Stainless Steel Stand	LA722
 LA722	
Stainless Steel Scalpel Holder No. 3 (Light weight) Use sterile scalpel blade: No. 10, No. 11, No. 15	LA723
 LA723	
Stainless Steel Scalpel Holder No. 4 (Light weight) Use sterile scalpel blade: No. 20, No. 21, No. 22	LA794
 LA794	
Stainless Steel Scalpel Holder No. 3 (Heavy weight) Use sterile scalpel blade: No. 10, No. 11, No. 15	LA829
Stainless Steel Scalpel Holder No. 4 (Heavy weight) Use sterile scalpel blade: No. 20, No. 21, No. 22	LA830
Sterile Scalpel Blade No. 10	LA768
Sterile Scalpel Blade No. 11	LA769
 LA768	 LA769
Sterile Scalpel Blade No. 15	LA770
Sterile Scalpel Blade No. 20	LA771

Product	Code
 LA770	
 LA771	
Sterile Scalpel Blade No. 21	LA879
Sterile Scalpel Blade No. 22	LA880
<b>PhytaWrap™</b>	
 PLA003 → PLA002 ↓	 PLA002
PhytaWrap™ Size: 2 inch	PLA002
PhytaWrap™ Size: 4 inch	PLA003
<b>FoggerJET®</b>	
FoggerJET® (with plastic tank set)	PLA005
	
FoggerJET® (with SS tank set and attached timer)	PLA004
	
FoggerJET® (with SS tank set and attached timer)	PLA009
	
FoggerJET 360™ (with 360° rotating device)	PLA006
	
Fogger Spin 360™ (360° rotating device)	PLA007
	



# AgroS™ Test-Zone

## Soil Analysis

### Soil Testing Kit for Macronutrients

Fastest way to analyze macronutrients of your soil yourself

- ▶ An inexpensive and user friendly soil test kit
- ▶ This kit is very simple to use and very reliable It covers all the tests like pH, Nitrate-Nitrogen (N), Ammonical Nitrogen (N), Phosphorus (P), Potassium (K) and Organic Carbon (O.C.)
- ▶ Instructions guide book plus colour chart for pH, N, P, K and OC levels are included

### Soil Testing kit for Micronutrients

Fastest way to analyze micronutrients of your soil yourself

- ▶ This kit is easiest way for analyzing the micronutrients in soil
- ▶ Kit is simple and user friendly
- ▶ With this kit it is very easy to perform the test of micronutrients in soil

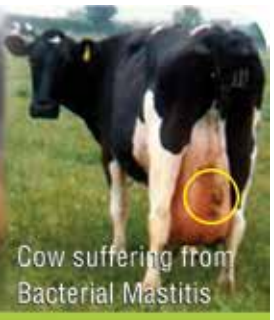


K091

## MastiTest™ (Mastitis Field Test Kit)

**RAPID** Lab-Free Field Test Kit  
for Bacterial Mastitis

Safe Easy & Reliable



Cow suffering from Bacterial Mastitis



Adulteration Testing of Milk

• Safe • Easy • Reliable

## K052 Salt Testing Kit

This kit is use for determination of iodine level in iodized salts.  
One kit is sufficient for 100 tests.

• Safe • Easy • Reliable



## Agro Sciences

Product	Code
<b>Agrochemicals</b>	
HiBoR™	PGE0018
HiCaN™	PGE0016
HiChilCopper™	PGE0020
HiChilIron™	PGE0021
HiIroN™	PGE0019
HiMaG™	PGE0015
HiMn™	PGE0022
HiPoT™	PGE0017
HiGroBA™ Powder	PGE0009
HiGroGA™ Powder	PGE0008
HiGroIA™ Powder	PGE0013
HiGroNA™ Powder	PGE0011
HiGroBA™, 2% Solution	PGE0023
HiGroNA™, 4.5% Solution	PGE0024
<b>Soil Testing Kit</b>	
Soil Testing Kit for Macronutrients	K054S
Soil Testing Kit for Macronutrients	K054M
Soil Testing Kit for Macronutrients	K054
Soil Testing Kit for Macronutrients	K054L
Soil Testing Kit for Micronutrients	K095S
Soil Testing Kit for Micronutrients	K095M
Soil Testing Kit for Micronutrients	K095L
Soil Testing Kit for Micronutrients	K095XL
Soil Test Kit for Secondary Nutrients (Mg, Ca, SO <sub>4</sub> and Cl)	K105
Soil Texture Test Kit	K108
<b>Masti Test Kit</b>	
MastiTest™ ABST Test Kit	K091
<b>Milk Adulteration Testing Kit</b>	
Kit for Adulteration Testing of Milk (17 Test Parameters)	K088

Product	Code
Kit for Adulteration Testing of Milk (11 Test Parameters)	K088A
Kit for Adulteration Testing of Milk (6 Test Parameters)	K088B
Kit for Adulteration Testing of Milk (Detergent)	K088L
Kit for Adulteration Testing of Milk (Hypochlorite)	K088M
Kit for Adulteration Testing of Milk (Salicylic acid)	K088N
Kit for Adulteration Testing of Milk (Skim Milk Powder)	K088O
Kit for Adulteration Testing of Milk (Sodium Chloride)	K088P
Kit for Adulteration Testing of Milk (Starch)	K088Q
Kit for Adulteration Testing of Milk (Thiocyanate)	K088R
Kit for Adulteration Testing of Milk (Urea)	K088S
Kit for Adulteration Testing of Milk (Vegetable Oil and Fats)	K088T
Kit for Adulteration Testing of Milk (Gelatin)	K088U
Kit for Adulteration Testing of Milk (Mercuric Chloride)	K088V
Kit for Adulteration Testing of Milk (Sulphate Salts)	K088W
Kit for Titrable Acidity Testing in Milk (Titrable Acidity as Lactic Acid)	K088X
<b>Salt Testing Kit</b>	
Salt Testing Kit	K052A
Salt Testing Kit	K052B
Salt Testing Kit	K052
<b>Plant Tissue Test Kit</b>	
Plant Tissue Test Kit for Macronutrients (N, P and K)	K106
Plant Tissue Test Kit for Micronutrients (B, Cu, Fe, Mn and Zn)	K107

# FoggerJET<sup>®</sup>

Recommended for use with disinfectants, biocides, fungicides, sanitizers in order to prevent or control aerial infections or contamination



- 4 times space coverage capacity than regular Fogger
- Evenly disinfects entire space/air by generating ultra-fine, non-wetting aerosols
- Prevents condensation of fog due to its rotational movement



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