

Widest Range of Plant Tissue Culture Dehydrated Media and Chemicals

Customized Media - Bulk Media Order

Generic or Popular Media

- ✦ Murashige & Skoog Medium
- ✦ Gamborg B5 Medium
- ✦ CHU (N₆) Medium
- ✦ Nitsch Medium
- ✦ Woody Plant Medium

Orchid Media

- ✦ Kundson Medium
- ✦ Vacin & Went Medium
- ✦ Lindemann Medium



Shoots regeneration from nodes in in vitro

Specialized Media for Economical Important Plants

- ✦ Banana Medium
- ✦ Gerbera Medium
- ✦ Rose medium
- ✦ Potato Medium
- ✦ Carrot Medium



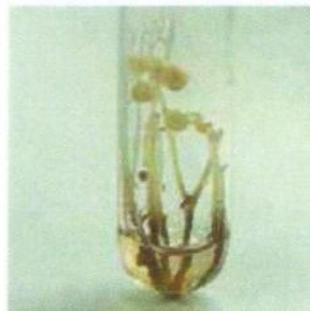
Banana Micropropagation

Balanced Salt Stock Solutions

Hydroponics Media

Other Products

- ✦ Plant Tissue Culture Teaching/Hobby Kit
- ✦ Plant Pathology Media
- ✦ Labware and Plastic Ware
- ✦ Plant DNA Extraction Kits



In Vitro tuberization of potato



Plant Tissue Culture

Media, Salt, and vitamins

Growth and morphogenesis of plant tissue culture depends on the composition of medium. Various media have been developed for different crops. Some of the media available with HiMedia can be used as such, while others can be supplemented with plant growth hormones or ingredients. HiMedia supplies various kinds of generic media and crop specific media. Plant tissue culture media are generally made up various macronutrients, micronutrient, vitamins, amino acids, sugars, growth regulators and solidifying agents.

Murashige & Skoog / Orchid Media and Salts / Other Plant TC Medium, Salt

- PT111 African Violet Maintenance Medium w/ Vitamins, Sucrose and IAA; w/o Agar
- PT110 African Violet Multiplication Medium w/ Vitamins, Sucrose, MES, Adenine sulphate, IAA and Kinetin; w/o Agar
- TS1039 Anderson Rhododendron Macroelements
- PT019 Anderson Rhododendron Medium w/ CaCl₂, Vitamins, Sucrose, Adenine sulphate and Agar; w/o IAA and 2iP
- PT019G Anderson Rhododendron Medium w/ CaCl₂, Vitamins, Sucrose, Adenine sulphate and CleriGel™ (Gelrite®); w/o IAA and 2iP
- TS1038 Anderson Rhododendron Microelements (100X)
- TS1016 Anderson Rhododendron Plant Salt Mixture
- PT083 Arabidopsis Callus Initiation Medium w/ Vitamins, Sucrose, 2,4-D and Kinetin; w/o Agar
- PT076 Banana Micropropagation Medium w/ Vitamins; w/o NH₄NO₃, Sucrose and Agar
- PT079 Banana Multiplication Medium w/ CaCl₂, Vitamins, Sucrose, Glucose, Ascorbic acid, IAA, 6-BAP and Agar
- PT079G Banana Multiplication Medium w/ CaCl₂, Vitamins, Sucrose, Glucose, Ascorbic acid, IAA, 6-BAP and CleriGel™ (Gelrite®)
- PT075 Banana Multiplication Medium w/ Vitamins, Casein hydrolysate and IAA; w/o Sucrose and Agar
- PT078 Banana Multiplication Medium w/ Vitamins, Sucrose and Agar; w/o NH₄NO₃ and Casein hydrolysate
- PT077 Banana Multiplication Medium w/ Vitamins, Sucrose, Casein hydrolysate, IAA and Agar
- PT077G Banana Multiplication Medium w/ Vitamins, Sucrose, Casein hydrolysate, IAA and CleriGel™ (Gelrite®)
- PT109 Begonia Multiplication Medium w/ Vitamins, Sucrose, Adenine sulphate, IAA and 2iP; w/o Agar
- PT062 BM-1 Terrestrial Orchid Medium w/ Vitamins, Sucrose, Casein hydrolysate and Agar



- PT062G BM-1 Terrestrial Orchid Medium w/ Vitamins, Sucrose, Casein hydrolysate and CleriGel™ (Gelrite®)
- PT063 BM-1 Terrestrial Orchid Medium w/ Vitamins, Sucrose and Casein hydrolysate; w/o Agar
- PT064 BM-2 Terrestrial Orchid Medium w/ Vitamins, Sucrose, Casein hydrolysate, 6-BAP and Agar
- PT064G BM-2 Terrestrial Orchid Medium w/ Vitamins, Sucrose, Casein hydrolysate, 6-BAP and CleriGel™ (Gelrite®)
- PT124 Cactus Multiplication Medium w/ Vitamins, Sucrose, Adenine sulphate, 2iP, IAA, IBA and Agar
- PT121 Carnation Initiation Medium w/ Vitamins, Sucrose, Casein hydrolysate, Kinetin, NAA and Agar
- PT122 Carnation Multiplication Medium w/ Vitamins, Sucrose, Kinetin, NAA and Agar
- PT123 Carnation Rooting Medium w/ Vitamins, Sucrose and Agar
- PT089 Carrot Callus Initiation Medium w/ Vitamins and 2,4-D; w/o Sucrose and Agar
- PT112 Carrot Organogenesis Medium w/ Vitamins, Sucrose and Kinetin; w/o Agar
- TS1041 Chée & Pool (C2D) Vitis Macroelements
- PT027 Chée & Pool (C2D) Vitis Medium w/ Vitamins; w/o Sucrose and Agar
- TS1040 Chée & Pool (C2D) Vitis Microelements (100X)
- TS1113 Chée & Pool (C2D) Vitis Plant Salt Mixture
- PL026 CHU (N6) Basal Solution (10X)
- TS1043 CHU (N6) Macroelements
- PL001 CHU (N6) Macroelements Solution (10X)
- PT113 CHU (N6) Medium w/ Vitamins and Sucrose; w/o Agar
- PT030 CHU (N6) Medium w/ Vitamins; w/o Sucrose and Agar
- TS1042 CHU (N6) Microelements (100X)
- PL002 CHU (N6) Microelements Solution (100X)
- TS1103 CHU (N6) Plant Salt Mixture
- PT029 CLC / Ipomoea Basal Medium (for Embryo Development, EP) w/ Vitamins; w/o Sucrose and Agar
- PT028 CLC / Ipomoea Basal Medium (for Embryogenic Callus Growth, CP) w/ Vitamins; w/o CaCl₂, Sucrose and Agar
- TS1046 CLC / Ipomoea Macroelements (for Embryo Development, EP)
- TS1045 CLC / Ipomoea Macroelements (for Embryogenic Callus Growth, CP)
- TS1044 CLC / Ipomoea Microelements (100X)
- PT084 Date Palm Callus Initiation Medium w/ Vitamins, Sucrose, 2,4-D, 2iP, Activated charcoal and Agar
- PT146 Date Palm Regeneration Medium w/ 2iP, Activated charcoal, Sucrose and Agar
- TS1048 De Greef & Jacobs Macroelements
- PT031 De Greef & Jacobs Medium w/ Vitamins; w/o Sucrose and Agar



- TS1047 De Greef & Jacobs Microelements (100X)
- TS1114 De Greef & Jacobs Plant Salt Mixture
- TS1050 DKW / Juglans Macroelements
- PT147 DKW / Juglans Medium New w/ Vitamins and Sucrose; w/o Agar
- PT032 DKW / Juglans Medium w/ Vitamins; w/o Sucrose and Agar
- TS1049 DKW / Juglans Microelements (100X)
- TS1115 DKW / Juglans Plant Salt Mixture
- TS1052 Eriksson (ER) Macroelements
- PT148 Eriksson (ER) Medium New w/ Vitamins and Sucrose; w/o Agar
- PT033 Eriksson (ER) Medium w/ Vitamins; w/o Sucrose and Agar
- TS1051 Eriksson (ER) Microelements (100X)
- PT087 Fern Micropropagation Medium w/ Vitamins, NAA and Kinetin; w/o Sucrose and Agar
- PL025 Ferrous Chelated Solution (100X)
- TS1053 Gamborg B5 / Kao & Michayluk Microelements (100X)
- PL027 Gamborg B5 Basal Solution (10X)
- TS1054 Gamborg B5 Macroelements
- PL003 Gamborg B5 Macroelements Solution (10X)
- PT016 Gamborg B5 Medium w/ CaCl₂, Vitamins and Sucrose; w/o IAA, Kinetin and Agar
- PT017 Gamborg B5 Medium w/ CaCl₂, Vitamins, Sucrose and Agar; w/o IAA and Kinetin
- PT017G Gamborg B5 Medium w/ CaCl₂, Vitamins, Sucrose and CleriGel™ (Gelrite®); w/o IAA and Kinetin
- PT127 Gamborg B5 Medium w/ Vitamins; w/o Sucrose and Agar
- PL004 Gamborg B5 Microelements Solution (100X)
- TS1014 Gamborg B5 Plant Salt Mixture
- PT001 Gerbera Multiplication Medium w/ CaCl₂, Vitamins, Tyrosine, Sucrose and Adenine sulphate; w/o Agar
- PT002 Gerbera Multiplication Medium w/ CaCl₂, Vitamins, Tyrosine, Sucrose, Adenine sulphate and Agar; w/o IAA and Kinetin
- PT002G Gerbera Multiplication Medium w/ CaCl₂, Vitamins, Tyrosine, Sucrose, Adenine sulphate and CleriGel™ (Gelrite®); w/o IAA and Kinetin
- PT135G Gerbera Rooting Medium w/ Vitamins, Sucrose and CleriGel™ (Gelrite®)
- TS1056 Gresshoff & Doy (DBM2) Macroelements
- PL005 Gresshoff & Doy (DBM2) Macroelements Solution (10X)
- PT035 Gresshoff & Doy (DBM2) Medium w/ Vitamins; w/o Sucrose and Agar
- TS1055 Gresshoff & Doy (DBM2) Microelements (100X)
- PL006 Gresshoff & Doy (DBM2) Microelements Solution (100X)
- TS1034 Heller Macroelements
- PT036 Heller Medium w/ Macroelements and Microelements; w/o Vitamins, Sucrose and Agar



- TS1035 Heller Microelements (100X)
 PT126 Hoagland & Knop Medium w/ Agar
 TS1094 Hoagland No. 2 Basal Salt Mixture
 TS1105 Hoagland No. 2 Basal Salt Mixture (Modification No.1)
 TS1117 Hoagland No. 2 Basal Salt Mixture w/o Nitrogen
 PT065 Ichihashi New Phalaenopsis (NP) Medium w/ NH₄NO₃, Vitamins and Sucrose; w/o Agar
 TS1058 Kao & Michayluk Macroelements
 PL007 Kao & Michayluk Macroelements Solution (10X)
 PT037 Kao & Michayluk Medium w/ Macroelements and Microelements; w/o Vitamins, Sucrose and Agar
 PL008 Kao & Michayluk Microelements Solution (100X)
 TS1060 Knudson C Orchid Macroelements (Morel Modification)
 PT038 Knudson C Orchid Medium (Morel Modification) w/ Macroelements and Microelements; w/o Vitamins, Sucrose and Agar
 PT066 Knudson C Orchid Medium (Morel Modification) w/ Sucrose; w/o Vitamins and Agar
 PT006 Knudson C Orchid Medium w/ Sucrose; w/o Vitamins and Agar
 TS1059 Knudson C Orchid Microelements (100X)
 PT125 Leifert & Waites Medium w/ Vitamins, Sucrose, Glucose, HiVeg™ peptone and Yeast extract
 TS1062 Lindemann Orchid Macroelements
 PT039 Lindemann Orchid Medium w/ Macroelements and Microelements; w/o Vitamins, Sucrose and Agar
 TS1063 Linsmaier & Skoog / Murashige & Skoog Microelements (100X)
 TS1064 Linsmaier & Skoog Macroelements
 PL009 Linsmaier & Skoog Macroelements Solution (10X)
 PT095 Linsmaier & Skoog Medium w/ CaCl₂, Vitamins and Sucrose; w/o Agar
 PT096 Linsmaier & Skoog Medium w/ CaCl₂, Vitamins, Sucrose and Agar
 PT096G Linsmaier & Skoog Medium w/ CaCl₂, Vitamins, Sucrose and CleriGel™ (Gelrite®)
 PT040 Linsmaier & Skoog Medium w/ Vitamins; w/o Sucrose and Agar
 PL010 Linsmaier & Skoog Microelements Solution (100X)
 PT097 Linsmaier & Skoog Modified Medium w/ CaCl₂, FeNaEDTA, Vitamins and Sucrose; w/o Agar
 PT098 Linsmaier & Skoog Modified Medium w/ CaCl₂, FeNaEDTA, Vitamins, Sucrose and Agar
 PT098G Linsmaier & Skoog Modified Medium w/ CaCl₂, FeNaEDTA, Vitamins, Sucrose and CleriGel™ (Gelrite®)
 TS1066 Litvay Macroelements
 PT140 Litvay Medium w/ Sucrose and Agar; w/o Vitamins



- PT042 Litvay Medium w/ Vitamins; w/o Sucrose and Agar
- TS1065 Litvay Microelements (100X)
- PT085 Loblolly Pine WV3 Medium w/ Vitamins; w/o Sucrose and Agar
- PT086 Loblolly Pine WV5 Medium w/ Vitamins; w/o Sucrose and Agar
- PT139 Mitra Orchid Medium w/ Vitamins; w/o Sucrose and Agar
- TS1075 Murashige & Miller (Syngonium Stage I & II) Macroelements
- PT053 Murashige & Miller Medium (Syngonium Stage I & II) w/ NaH₂PO₄ and Vitamins; w/o Sucrose and Agar
- TS1073 Murashige & Skoog (Finer & Nagasawa Modification) Macroelements w/ 1.6 x KNO₃ and 0.5 x NH₄NO₃
- TS1069 Murashige & Skoog (Modification No. 1) ½ Macroelements
- TS1070 Murashige & Skoog (Modification No. 2) ¾ Macroelements
- TS1071 Murashige & Skoog (Modification No. 3) Macroelements
- TS1072 Murashige & Skoog (Modification No. 5) Macroelements w/ NH₄NO₃ replaced by NaNO₃
- TS1074 Murashige & Skoog (Van der Salm Modification) Microelements (100X)
- TS1068 Murashige & Skoog Macroelements
- PT051 Murashige & Skoog Medium (Finer & Nagasawa Modification) w/ Macroelements and Microelements; w/o Vitamins, Sucrose and Agar
- PT046 Murashige & Skoog Medium (Modification No. 1) w/ ½ Macroelements and Vitamins; w/o Sucrose and Agar
- PT129 Murashige & Skoog Medium (Modification No. 10) w/ ½ NH₄NO₃ and ½ KNO₃; w/o Vitamins, Sucrose and Agar
- PT047 Murashige & Skoog Medium (Modification No. 2) w/ ¾ Macroelements and Vitamins; w/o Sucrose and Agar
- PT048 Murashige & Skoog Medium (Modification No. 3) w/ ½ NH₄NO₃, ½ KNO₃ and Vitamins; w/o Sucrose and Agar
- PT049 Murashige & Skoog Medium (Modification No. 4) w/ Vitamins; w/o NH₄NO₃, Sucrose and Agar
- PT050 Murashige & Skoog Medium (Modification No. 5) w/ NH₄NO₃ replaced by NaNO₃; w/o Vitamins, Sucrose and Agar
- PT091 Murashige & Skoog Medium (Modification No. 6) w/ ½ Macroelements, ½ Microelements and Vitamins; w/o Sucrose and Agar
- PT092 Murashige & Skoog Medium (Modification No. 7) w/ ½ NH₄NO₃, ½ KNO₃, ½ CaCl₂ and Vitamins; w/o Sucrose and Agar
- PT093 Murashige & Skoog Medium (Modification No. 8) w/ Vitamins; w/ NH₄NO₃, KNO₃, Sucrose and Agar
- PT103 Murashige & Skoog Medium (Modification No. 9) w/ ½ Macroelements, ½ Microelements and ½ Vitamins; w/o Sucrose and Agar



- PT052 Murashige & Skoog Medium (Van der Salm Modification) w/ FeSO₄ replaced by FeEDDHA and Vitamins; w/o Sucrose and Agar
- PT021 Murashige & Skoog Medium w/ CaCl₂ and Vitamins; w/o Sucrose and Agar
- PT045 Murashige & Skoog Medium w/ CaCl₂, Vitamins and MES; w/o Sucrose and Agar
- PT099 Murashige & Skoog Medium w/ CaCl₂, Vitamins and Sucrose; w/o Agar
- PT100 Murashige & Skoog Medium w/ CaCl₂, Vitamins, Sucrose and Agar
- PT100G Murashige & Skoog Medium w/ CaCl₂, Vitamins, Sucrose and CleriGel™ (Gelrite®)
- PT128 Murashige & Skoog Medium w/ CaCl₂; w/o NH₄NO₃, KNO₃, Vitamins, Sucrose and Agar
- PT080 Murashige & Skoog Medium w/ Sucrose, 6-BAP and Agar; w/o CaCl₂, IAA and Kinetin
- PT010 Murashige & Skoog Medium w/ Vitamins and Sucrose; w/o CaCl₂, IAA, Kinetin and Agar
- PT011 Murashige & Skoog Medium w/ Vitamins, Sucrose and Agar; w/o CaCl₂, IAA and Kinetin
- PT011G Murashige & Skoog Medium w/ Vitamins, Sucrose and CleriGel™ (Gelrite®); w/o CaCl₂, IAA and Kinetin
- PT145 Murashige & Skoog Medium w/ Vitamins, Sucrose and Glucose; w/o Agar
- PT011C Murashige & Skoog Medium w/ Vitamins, Sucrose, 6-BAP and Agar; w/o CaCl₂, IAA and Kinetin
- PT018 Murashige & Skoog Medium w/ Vitamins; w/o CaCl₂, Sucrose, IAA, Kinetin and Agar
- PT025 Murashige & Skoog Modified Medium w/ CaCl₂ and Gamborg B5 vitamins; w/o Sucrose and Agar
- PT044 Murashige & Skoog Modified Medium w/ CaCl₂ and Nitsch vitamins; w/o Sucrose and Agar
- PT101 Murashige & Skoog Modified Medium w/ CaCl₂, FeNaEDTA, Vitamins and Sucrose; w/o Agar
- PT102 Murashige & Skoog Modified Medium w/ CaCl₂, FeNaEDTA, Vitamins, Sucrose and Agar
- PT102G Murashige & Skoog Modified Medium w/ CaCl₂, FeNaEDTA, Vitamins, Sucrose and CleriGel™ (Gelrite®)
- PT114 Murashige & Skoog Modified Medium w/ CaCl₂, Gamborg B5 Vitamins and Sucrose; w/o Agar
- TS1109 Murashige & Skoog Plant Salt Mixture
- TS1110 Murashige & Skoog Plant Salt Mixture
- TS1111 Murashige & Skoog Plant Salt Mixture
- TS1112 Murashige & Skoog Plant Salt Mixture
- TS1118 Murashige & Skoog Plant Salt Mixture
- TS1004 Murashige & Skoog Plant Salt Mixture w/ CaCl₂



- TS1005 Murashige & Skoog Plant Salt Mixture w/o CaCl₂
- TS1017 Murashige & Skoog Plant Salt Mixture w/o CaCl₂, Inositol and Thiamine
- PT022 Murashige & Skoog Shoot Multiplication Medium A w/ CaCl₂, Vitamins, Sucrose, IAA, Adenine sulphate and 2iP; w/o Agar
- TS1076 Murashige & Skoog Shoot Multiplication Medium B Macroelements
- PT054 Murashige & Skoog Shoot Multiplication Medium B w/ CaCl₂, Vitamins and Adenine sulphate; w/o Sucrose and Agar
- PT115 Murashige & Skoog Shoot Multiplication Medium B w/ CaCl₂, Vitamins, Sucrose and Adenine sulphate; w/o Agar
- PT107 NB Medium w/ CHU macroelements, Gamborg microelements, Gamborg vitamins and Sucrose; w/o Agar
- PL013 Nitsch & Nitsch Macroelements Solution (10X)
- PL014 Nitsch & Nitsch Microelements Solution (100X)
- TS1078 Nitsch Macroelements
- PT012 Nitsch Medium w/ Vitamins and Sucrose; w/o CaCl₂ and Agar
- PT104 Nitsch Medium w/ Vitamins, Sucrose and Agar; w/o CaCl₂
- PT143 Nitsch Medium w/ Vitamins; w/o Sucrose and Agar
- TS1077 Nitsch Microelements (100X)
- TS1013 Nitsch Plant Salt Mixture
- TS1080 NLN Macroelements
- PT094 NLN Medium w/ Vitamins; w/o Calcium nitrate, Sucrose and Agar
- TS1079 NLN Microelements (100X)
- PT074G Orchid Maintenance / Replate Medium w/ CaCl₂, Vitamins, Sucrose, Banana powder, HiVeg™ peptone, MES, Activated charcoal and CleriGel™ (Gelrite®)
- PT070 Orchid Maintenance / Replate Medium w/ CaCl₂, Vitamins, Sucrose, HiVeg™ peptone, MES and Agar; w/o Activated charcoal
- PT070G Orchid Maintenance / Replate Medium w/ CaCl₂, Vitamins, Sucrose, HiVeg™ peptone, MES and CleriGel™ (Gelrite®); w/o Activated charcoal
- TS1082 Orchid Maintenance Macroelements
- TS1082 Orchid Maintenance Macroelements
- PT071 Orchid Maintenance Medium w/ CaCl₂, Vitamins, Sucrose, HiVeg™ peptone, MES and Activated charcoal; w/o Agar
- PT072 Orchid Maintenance Medium w/ CaCl₂, Vitamins, Sucrose, HiVeg™ peptone, MES, Activated charcoal and Agar
- PT072G Orchid Maintenance Medium w/ CaCl₂, Vitamins, Sucrose, HiVeg™ peptone, MES, Activated charcoal and CleriGel™ (Gelrite®)
- PT055 Orchid Maintenance Medium w/ CaCl₂, Vitamins, Sucrose, Tryptone, MES and Activated charcoal; w/o Agar
- TS1081 Orchid Maintenance Microelements (100X)
- TS1081 Orchid Maintenance Microelements (100X)



- TS1083 Orchid Maintenance Organic Mixture
- TS1083 Orchid Maintenance Organic Mixture
- PT132 Potato Establishment Medium w/ Vitamins, 6-BAP, Sucrose and Agar
- PT090 Potato Micropropagation Medium w/ CaCl₂, Vitamins, IAA and Kinetin; w/o Sucrose and Agar
- PT133 Potato Multiplication Medium w/ Vitamins, 6-BAP and Sucrose; w/o Agar
- PT134 Potato Tuberization Medium w/ Vitamins, 6-BAP and Sucrose; w/o Agar
- TS1085 Quoirin & Lepoivre Macroelements
- PT056 Quoirin & Lepoivre Medium w/ Vitamins; w/o Sucrose and Agar
- TS1084 Quoirin & Lepoivre Microelements (100X)
- PT144 Rose Establishment Medium w/ Vitamins, Sucrose, BAP, IAA and Agar
- PT141 Rose Multiplication Medium w/ Vitamins, Sucrose, BAP, IAA and Agar
- PT142 Rose Rooting Medium w/ Vitamins, Sucrose, BAP, NAA and Agar
- TS1087 Rugini Olive Macroelements
- PT149 Rugini Olive Medium New w/ Vitamins and Sucrose; w/o Agar
- PT057 Rugini Olive Medium w/ Vitamins; w/o Sucrose and Agar
- TS1086 Rugini Olive Microelements (100X)
- PT058 S - Medium (Morel & Wetmore Modification) w/ Vitamins, Sucrose and MES; w/o Agar
- TS1089 Schenk & Hildebrandt Macroelements
- PT059 Schenk & Hildebrandt Medium w/ Vitamins; w/o Sucrose and Agar
- TS1088 Schenk & Hildebrandt Microelements (100X)
- PT137 Schenk & Hildebrandt Modified Medium w/ ½ Macroelements, ½ Microelements, ½ Vitamins and Sucrose;
- PT138 Schenk & Hildebrandt Modified Medium w/ Vitamins, Sucrose and Agar
- TS1102 Schenk & Hildebrandt Plant Salt Mixture
- TS1116 Schenk & Hildebrandt Plant Salt Mixture
- PT116 Schenk and Hildebrandt Medium w/ Vitamins and Sucrose; w/o Agar
- PL029 Sivasithamparam & Parker Basal Solution (10X)
- PT119 Stag Horn Fern Multiplication Medium w/ Vitamins, Sucrose, Adenine sulphate, IAA and Agar
- PT120 Stag Horn Fern Rooting Medium w/ Vitamins, Sucrose and Agar
- PT117 Strawberry Multiplication Medium w/ Vitamins, Sucrose, 6-BAP and Agar
- PT118 Strawberry Rooting Medium w/ Vitamins, Sucrose, IBA, Activated charcoal and Agar
- PT013 Street Medium w/ Vitamins and Sucrose; w/o Agar
- PT136G Syngonium Rooting Medium w/ Vitamins, Sucrose and CleriGel™ (Gelrite®)
- PT088 Tobacco Callus Initiation Medium w/ Vitamins, Casein hydrolysate, IAA and Kinetin; w/o Sucrose and Agar
- PT131G Tomato Regeneration Medium w/ Vitamins and CleriGel™ (Gelrite®);



- PT130G Tomato Regeneration Medium w/ Vitamins, Sucrose and CleriGel™ (Gelrite®)
- TS1091 Vacin & Went Macroelements
- PT041 Vacin & Went Medium w/ Macroelements and Microelements; w/o Vitamins, Sucrose and Agar
- PT082 Vacin & Went Medium w/ Thiamine, Sucrose and Agar
- TS1090 Vacin & Went Microelements (100X)
- PT081 Vacin & Went Modified Medium w/ Ferric tartrate replaced by FeSO₄ and Sucrose; w/o Vitamins and Agar
- PL015 White Macroelements Solution (10X)
- PT014 White Medium w/ Vitamins and Sucrose; w/o Agar
- PL016 White Microelements Solution (100X)
- PT015 White Modified S-3 Medium w/ Vitamins, Amino acids and Sucrose; w/o Agar
- TS1015 White Plant Salt Mixture
- PT009 White Root Culture Modified Medium w/ Vitamins and Sucrose; w/o Agar
- TS1036 Woody Plant Macroelements
- PT026 Woody Plant Medium w/ CaCl₂ and Vitamins; w/o Sucrose and Agar
- PT105 Woody Plant Medium w/ CaCl₂, Vitamins and Sucrose; w/o Agar
- TS1037 Woody Plant Microelements (100X)
- PL039 Yoshida Solution (100X)

Phycology Media (Liquid)

Recommended for in vitro cultivation of algae

- PL030 BG-11 Basal Solution (10X)
- PL031 Bold Basal Solution (10X)
- PL032 CHU Basal Solution No. 10 (10X)
- PL033 Spirulina Basal Solution (10X)
- PL037 Allen Basal Solution (10X)
- PL038 TAP Basal Solution (10X)
- PL040 Z8 Basal Solution (10X)
- PL041 f/2 Guillard's Marine Enriched Solution (10X)
- PL042 Sueoka's Basal Solution (10X) w/ Sodium acetate
- PL043 Sueoka's Basal Solution (10X) w/o Sodium acetate
- PL044 Seawater Solution No. 1 (10X) New -5x100ML



Plant Tissue Culture

Vitamin Salts and Solutions

VP008	Anderson Rhododendron Vitamins (100X)
VP009	Chée & Pool (C2D) Vitis Vitamins (100X)
VP010	CHU (N6) Vitamins (100X)
PL017	CHU (N6) Vitamins Solution (1000X)
VP011	CLC / Ipomoea Vitamins (100X)
VP012	De Greef & Jacobs / Gamborg B5 / Orchid Vitamins (100X)
VP013	DKW / Juglans Vitamins (100X)
VP014	Eriksson (ER) Vitamins (100X)
PL036	Eriksson (ER) Vitamins Solution (1000X)
PL018	Gamborg B5 Vitamins Solution (1000X)
VP016	Gresshoff & Doy (DBM2) Vitamins (100X)
PL019	Gresshoff & Doy (DBM2) Vitamins Solution (1000X)
PL020	Kao & Michayluk Vitamins Solution (100X)
VP017	Linsmaier & Skoog Vitamins (100X)
PL021	Linsmaier & Skoog Vitamins Solution (1000X)
VP018	Litvay Vitamins (100X)
VP028	Morel & Wetmore Vitamins (100X)
PL035	Morel & Wetmore Vitamins Solution (100X)
VP019	Murashige & Miller (Syngonium Stage I & II) Vitamins (100X)
VP022	Murashige & Skoog Modified Vitamins (100X)
PL034	Murashige & Skoog Modified Vitamins Solution (1000X)
VP021	Murashige & Skoog Vitamins (100X)
PL022	Murashige & Skoog Vitamins Solution (1000X)
PL011	Murashige & Skoog Macroelements Solution (10X)
PL012	Murashige & Skoog Microelements Solution (100X)
PL028	Murashige & Skoog Basal Solution (10X)
PL023	Nitsch & Nitsch Vitamins Solution (1000X)
VP023	Nitsch Vitamins (100X)
VP024	NLN Vitamins (100X)
VP027	Rugini Olive Vitamins (100X)
VP026	Schenk & Hildebrandt Vitamins (100X)
PL024	Schenk & Hildebrandt Vitamins Solution (100X)
VP029	Staba Modified Vitamins (100X)
VP007	Woody Plant Vitamins (100X)



Plant Tissue Culture

Plant Culture Tested Chemicals

The chemicals used within a plant tissue culture, supply the mineral, nutrient and chemical conditions needed for plant growth. These chemicals are specifically developed for the growth of plant tissue in in vitro. At HiMedia we offer various components of plant tissue culture media which have been recommended only for Plant Science. These chemicals have been bioassayed with the various plant systems depending on the objectives. The complete range of plant culture chemicals provided by HiMedia, is tested analytically as well as with additional performance testing, in order to verify their suitability in the specified applications.

Antimicrobial

Antibiotics are chemicals produced by or derived from microorganisms. Antibiotics are a class of antimicrobials, a larger group which also includes anti-viral, anti-fungal, and anti-parasitic drugs. Antibiotics in plant tissue culture are recommended for suppressing the growth of bacteria, fungus and other microbes. Besides they are being used frequently as a selective agents in plant transformation. Various types of antibiotics are supplied by HiMedia.

Antibiotics, Antifungal

PCT1107	Amoxicillin
PCT1115	Amoxicillin:clavulanic acid potassium salt (5:1) (Augmentin)
PCT1108	Amphotericin B
PCT1101	Ampicillin sodium salt
PCT1106	Antimicrobial supplement
PCT1109	Bacitracin
PCT1102	Carbenicillin disodium salt
PCT1501	Carbenicillin solution
PCT1103	Cephotaxime sodium salt
PCT1502	Cephotaxime solution
PCT1104	Hygromycin B
PCT1503	Hygromycin B solution
PCT1105	Kanamycin acid sulphate
PCT1504	Kanamycin solution
PCT1110	Miconazole nitrate
PCT1111	Neomycin sulphate
PCT1112	Nystatin 1000,000 units per vial
PCT1113	Timentin (Ticarcillin disodium and Clavulanate potassium)
PCT1114	Vancomycin hydrochloride
PCT1117	Chloramphenicol



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- PCT1116 G-418 disulfate salt
- PCT1507 Ampicillin solution w/ 100 mg/ml Ampicillin sodium salt in sterile distilled water
- PCT1505 Cephotaxime solution w/ 250 mg/ml Cephotaxime in sterile distilled water
- PCT1506 Neomycin sulphate solution w/ 10 mg/ml Neomycin sulphate in sterile distilled water
- PCT1508 Timentin solution [Ticarcillin Disodium Salt / Potassium Clavulanate Mixture (15:1)] w/ 100 mg/ml Timentin disodium salt in sterile distilled water

Biochemicals

Plant requires the various macro nutrient and micronutrient salts. These are essential for many physiological processes. Vitamins are incorporated to the medium as they function as metabolic catalysts in enzyme reactions. Cultured plant cells and tissues can sometime become deficient in some factors so growth and survival of the plant tissue can be improved by the addition of vitamins to the culture medium. All the salts are biologically assayed with various plant parts. HiMedia provides all the nutrients required for the plant tissue culture. Amino acids are essential for the growth. They serve the purpose in various metabolic processes.

Vitamins

- PCT0202 Calcium D-pantothenate (D-pantothenic acid hemicalcium salt)
- PCT0203 Choline chloride
- PCT0204 Cyanocobalamin (Vitamin B12)
- PCT0201 D-Biotin (Vitamin H)
- PCT0205 Folic acid (Vitamin M; Vitamin B9)
- PCT0206 Hypoxanthine (6-Hydroxypurine)
- PCT0208 Inositol (Meso-inositol)
- PCT0207 L-Ascorbic acid (Vitamin C)
- PCT0209 Nicotinamide (Niacinamide)
- PCT0210 Nicotinic acid (Niacin)
- PCT0211 PABA (4-Aminobenzoic acid) (p-Aminobenzoic acid)
- PCT0212 Pyridoxine hydrochloride (Vitamin B6 hydrochloride)
- PCT0214 Riboflavin (Vitamin B2)
- PCT0215 Thiamine hydrochloride (Vitamin B1 hydrochloride)
- PCT0216 Cholecalciferol (Vitamin D3)



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Microelements

PCT0102	Boric acid
PCT0103	Cobalt chloride hexahydrate
PCT0104	Copper sulphate pentahydrate
PCT0105	EDTA disodium salt dihydrate
PCT0106	EDTA ferric monosodium salt
PCT0107	Ferric ammonium citrate
PCT0108	Ferric chloride hexahydrate
PCT0109	Ferric citrate monohydrate
PCT0111	Ferrous sulphate heptahydrate
PCT0113	Manganese (II) sulphate monohydrate
PCT0112	Manganese chloride (II) tetrahydrate
PCT0114	Molybdenum trioxide
PCT0115	Nickel (II) chloride hexahydrate
PCT0116	Potassium iodide
PCT0117	Sodium molybdate dihydrate
PCT0118	Zinc sulphate heptahydrate
PCT0119	Ammonium molybdate tetrahydrate
PCT0120	Cobalt nitrate hexahydrate
PCT0121	Fe-EDDHA Ethylenediamine-N,N'-bis (2-hydroxyphenylacetic acid) ferric-sodium complex
PCT0122	Sodium thiosulphate pentahydrate

Macroelements

PCT0001	Ammonium dihydrogen phosphate
PCT0003	Ammonium sulphate
PCT0004	Calcium chloride dihydrate
PCT0005	Calcium nitrate tetrahydrate
PCT0006	Calcium phosphate tribasic
PCT0007	Magnesium nitrate hexahydrate
PCT0008	Magnesium sulphate heptahydrate
PCT0009	Potassium dihydrogen phosphate
PCT0010	Potassium nitrate
PCT0011	Potassium sulphate
PCT0012	Potassium chloride
PCT0013	Sodium dihydrogen phosphate monohydrate
PCT0014	Sodium nitrate
PCT0015	Sodium sulphate



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Amino Acids

PCT0309	Glutathione
PCT0301	L-Alanine (2-Aminopropionic acid)
PCT0302	L-Arginine
PCT0303	L-Asparagine monohydrate
PCT0304	L-Aspartic acid
PCT0305	L-Cysteine
PCT0306	L-Cystine
PCT0307	L-Glutamic acid
PCT0308	L-Glutamine
PCT0310	L-Glycine
PCT0311	L-Histidine
PCT0312	L-Isoleucine
PCT0313	L-Leucine
PCT0314	L-Lysine
PCT0315	L-Methionine
PCT0316	L-Phenylalanine
PCT0317	L-Proline
PCT0318	L-Serine
PCT0319	L-Threonine
PCT0320	L-Tryptophan
PCT0321	L-Tyrosine
PCT0322	L-Valine
PCT0323	L-Ornithine monohydrochloride

Organic Acids

PCT0501	Citric acid
PCT0502	L-Malic acid
PCT0503	Sodium pyruvate (Pyruvic acid sodium salt)
PCT0504	Succinic acid



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Organic Supplements

PCT0411	Apple pectin
PCT0401	Apple powder
PCT0402	Banana powder
PCT0403	Casein enzymic hydrolysate
PCT0404	HiVeg™ Hydrolysate
PCT0405	HiVeg™ Hydrolysate No.1
PCT0406	HiVeg™ Peptone No.1
PCT0407	Peptone from meat
PCT0408	Pineapple powder
PCT0409	Potato powder
PCT0410	Tomato powder
PCT0414	Coconut water
PCT0412	Malt extract powder
PCT0413	Malt extract powder, refined

Carbohydrates (carbon source)

Carbohydrates play an important role in tissue culture as carbon source. Carbohydrates are used as building blocks for macromolecules, Therefore various sugars have been added to the medium. All the sugars available with HiMedia are biologically assayed and are specifically recommended for plant tissue culture.

PCT0608	a - Cyclodextrin
PCT0609	b - Cyclodextrin
PCT0606	D(-)-Sorbitol
PCT0602	D-(+)-Galactose
PCT0603	D-(+)-Glucose
PCT0605	D-(+)-Mannose
PCT0601	D-Fructose
PCT0604	D-Mannitol
PCT0611	Maltodextrin
PCT0607	Sucrose
PCT0610	Trehalose dehydrate
PCT0612	Dextrose monohydrate
PCT0611	Maltodextrin
PCT0613	Maltose monohydrate



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Buffer

PCT0701 MES buffer (2-(N-Morpholino)ethanesulphonic acid)

Chromogenic Substrates

Chromogenic substrates are the precursors that may be transformed by biological mechanism in to coloured compounds. Chromogenic substrates are used in plant tissue culture for knowing the transformed cells or plants. HiMedia manufactures & supplies a broad range of chromogenic substrates.

- PCT1207 5-Bromo-3-indolyl- β -D-galactopyranoside (Bluo-Gal)
- PCT1201 5-Bromo-4-chloro -3-indolylphosphate disodium salt (BCIP)
- PCT1202 5-Bromo-4-chloro-3-indolyl- β -D-galactopyranoside (X-Gal)
- PCT1204 5-Bromo-4-chloro-3-indolyl- β -D-glucopyranoside (X - Glucoside)
- PCT1206 5-Bromo-4-chloro-3-indolyl- β -D-glucuronide sodium salt (X-Glucuronide, sodium salt)
- PCT1205 5-Bromo-4-chloro-3-indolyl- β -D-glucuronide, cyclohexylammonium salt (X-Glucuronide, CHA salt)
- PCT1203 5-Bromo-6-chloro-3-indolyl- β -D-glucuronide, cyclohexylammonium salt (Magenta™-Glucuro, CHA salt)

Gelling Agent

Gelling Agent are used in plant tissue to provide a solid and semi solid matrix to support the plant parts. Gelling agents enable the plants to be placed in precise contact with the medium. Various kinds of gelling agents (CleriGel, Agar and CleriGar) are offered by HiMedia.

- PCT0901 Agar
- PCT0902 CleriGar™
- PCT0903 CleriGel™



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Miscellaneous Chemicals

Some of the chemicals in plant tissue culture are being used for specific purpose. Colchicine is used for mutagenic purpose while PEG is used in plant tissue culture to induce the stress. HiMedia has introduced specific chemical products which can fulfill the requirements of scientist for particular research work.

PCT1304	Acetocarmine
PCT1301	Acetosyringone (3',5'-Dimethoxy-4'-hydroxy acetophenone)
PCT1302	Colchicine
PCT1303	Dimethyl sulphoxide (DMSO)
PCT1306	Polyethylene glycol M.W. 6000
PCT1305	Polyethylene glycol M.W. 4000
PCT1307	Silver nitrate
PCT1308	Silver thiosulfate
PCT1311	Sodium hypochlorite
PCT1309	Tetrazolium salt (TTC)
PCT1310	Tween® 20
PCT1313	Apple green colour
PCT1314	Blue colour
PCT1318	Keiki paste
PCT1321	DL-a-Lipoic acid New
PCT1312	Pea green colour
PCT1316	Polyvinyl alcohol (PVA) (hot water soluble)
PCT1317	Sodium alginate
PCT1315	Yellow colour

Adsorbent

PCT1001	Activated charcoal powder
PCT1002	Polyvinylpyrrolidone (PVP)
PCT1003	Polyvinylpolypyrrolidone (PVPP)



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Plant Growth Regulators

Plant growth regulators are chemicals that influence the growth and differentiation of plant tissue. Auxin, cytokinins, GA3, abscisic acid, Zeatin, ethylene are essential plant growth regulators or hormones. Besides major plant growth regulators, HiMedia also support the scientist by providing the other plant hormones.

- PCT0815 (±)-Abscisic acid
- PCT0805 (±)-Jasmonic acid
- PCT0823 2,3,5-Triiodobenzoic acid (TIBA)
- PCT0810 2-Naphthoxyacetic acid (NOA)
- PCT1403 6-BAP solution
- PCT0802 6-Benzyladenine (6-BAP) (6-Benzylaminopurine)
- PCT0809 α -Naphthaleneacetic acid (NAA)
- PCT0801 Adenine sulphate
- PCT0816 Auxindole™
- PCT0817 Chitosan
- PCT0825 DIPA-24
- PCT1401 DIPA-24 solution
- PCT1404 IAA solution
- PCT1405 IBA solution
- PCT0803 Indole-3-acetic acid (IAA; Heteroauxine)
- PCT0804 Indole-3-butyric acid (IBA)
- PCT0806 Kinetin
- PCT1406 Kinetin solution
- PCT0818 MALIZYD
- PCT0807 N6-(2-Isopentenyl)adenine; (2iP) 6-(g,g-Dimethylallylamino)purine
- PCT0808 N6-Benzoyladenine
- PCT1402 NAA solution
- PCT0811 Putrescine dihydrochloride (1,4-Butanediamine dihydrochloride)
- PCT0826 Salicylic acid
- PCT0819 SH-BENZOL
- PCT0820 SH-DEFOL
- PCT0812 Spermidine
- PCT0821 Spermine
- PCT0822 TCL-245
- PCT0814 trans-Zeatin riboside
- PCT0824 TRIPLE-C
- PCT0813 Zeatin
- PCT0833 BPA [N-Benzyl-9-(2-tetrahydropyranyl)]-Adenine
- PCT0834 DEECMBA



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- PCT0832 Dikegulac
- PCT0835 GLIFOCET
- PCT0831 Indole-3-propionic acid (IPA)
- PCT0827 meta-Topolin
- PCT0828 ACZEE
- PCT0829 PEECO-356
- PCT0836 Phloroglucinol
- PCT0830 Plant Growth Hormone G
- PCT1407 IPA solution w/ 1 mg/ml IPA in sterile distilled water
- PCT1408 NOA solution w/ 1 mg/ml NOA in sterile distilled water
- PCT1409 SH-Defol solution w/ 1 mg/ml SH-Defol in sterile distilled water
- PCT1410 meta-Topolin solution w/ 1 mg/ml meta-Topolin in sterile distilled water
- PCT1411 Zeatin solution w/ 1 mg/ml Zeatin in sterile distilled water



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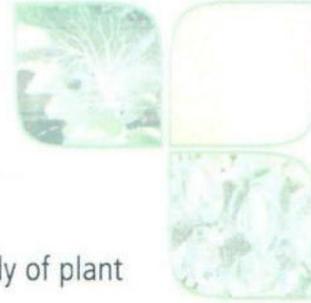
Phytopathological Media and Supplements

PHM001	Phyto Boric Acid Peptone Agar Base (KBBC Medium)
PHS001	CNC Supplement
PHM002	Phyto Buffered Starch Agar Base (mFS Medium)
PHS002	NMPT Supplement
PHM003	Phyto Casein Hydrolysate Sucrose Agar (Bacteria Screening Medium 523)
PHM004	Phyto Casein Hydrolysate Yeast Extract Agar Base (D2ANX Medium)
PHS003	CNP Supplement
PHM005	Phyto Cmm Agar Base (SCM Medium)
PHS004	CNNP Supplement
PHM006	Phyto Lactose Trehalose Agar Base (mKM Medium)
PHS005	CNTB Supplement
PHM007	Phyto Peptone Bromide Agar Base (mTBM Medium)
PHS006	CNF Supplement
PHM008	Phyto Proteose Agar Medium Base (KB Medium)
PHS007	CN Supplement
PHM009	Phyto Pspi Agar Base (SNAC Medium)
PHS008	CN Supplement
PHM010	Phyto Pspo Agar Base (PSM Medium)
PHS009	CNVB Supplement
PHM011	Phyto Pst Agar Base (KBZ Medium)
PHS010	CCTP Supplement
PHM012	Phyto Semiselective Agar Base (CKTM Medium)
PHS011	CCFTNB Supplement
PHM013	Phyto Starch Peptone Agar Base With CV (mXCP1 Medium)
PHS012	CNFT Supplement
PHM014	Phyto Starch Tyrosine Peptone Agar (PTSA Medium)
PHM015	Phyto Sterility Test Medium (Leifert and Waites Sterility Test Medium)
PHM016	Phyto Sucrose Peptone Agar Base (MSP Medium)
PHS009	CNVB Supplement
PHM017	Phyto Tbb Agar Base (MXV Medium)
PHS013	CCFTNB Supplement
PHM018	Phyto Tyrosine Peptone Agar Base (MT Medium)
PHS014	CNV Supplement
PHM019	Phyto Xano Camp Agar Base (mCS20ABN Medium)
PHS015	NNB Supplement
PHM020	Phyto XcCar Agar Base (mD5A Medium)
PHS016	CNBGM Supplement
PHM021	Phyto Xcv Agar Base (mTMB Medium)

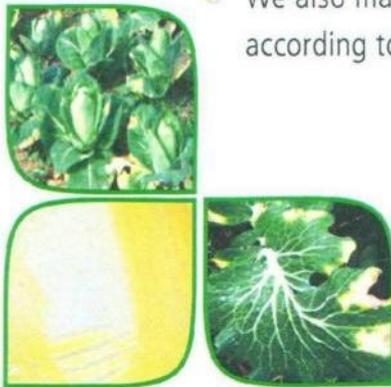


- PHS017 CCFT Supplement
- PHM022 Phyto Yeast Extract Glucose Agar (YDC Medium)
- PHM023 Mathur's Medium, Modified New

Phytopathology Media



- ◆ Phytopathology is the scientific study of plant diseases caused by pathogens.
- ◆ Available an extensive range of phytopathology Media and Media used in seed health testing along with their selective supplements
- ◆ We also manufacture custom-made media according to Laboratory specifications.





Plant Tissue Culture

Surgical Products

This category includes surgical items. HiMedia have developed high quality Stainless Steel surgical products such as Forceps, scalpel and surgical blades which are being used in plant tissue culture.

LA723	Stainless Steel Scalpel Holder No. 3
LA722	Stainless Steel Stand
LA767	Stainless Steel Forceps, Blunt
LA708	Stainless Steel Forceps, Blunt Size: 10 inch
LA707	Stainless Steel Forceps, Blunt Size: 8 inch
LA721	Stainless Steel Forceps, Blunt Size: 9 inch
LA706	Stainless Steel Forceps, BluntSize: 6 inc
LA711	Stainless Steel Forceps, Pointed Size: 10 inch
LA709	Stainless Steel Forceps, Pointed Size: 6 inch
LA710	Stainless Steel Forceps, Pointed Size: 8 inch
LA794	Stainless Steel Scalpel Holder No. 4
LA768	Sterile Scalpel Blade No. 10
LA769	Sterile Scalpel Blade No. 11
LA770	Sterile Scalpel Blade No. 15
LA771	Sterile Scalpel Blade No. 20