انواع محیط کشت گیاهی:

1. محیط کشت LS
2. محیط کشت NITSCH
3. محیط کشت WPM
4. محیط کشتN6
5. محیط کشت MS
6. محیط کشت B5
7. محیط کشت SH
8. محیط کشت NLN
9. محیط کشت GD

استاد: دکتر علیرضا زبرجدی
تهیه کننده: نسیم برزگر

1.محیط کشت LS

- Ammonium Nitrate (NH4NO3) 1650.0000
- Boric Acid (H3BO3) 6.2000
- Calcium Chloride, Anhydrous (CaCl2) 332.2000
- Cobalt Chloride, Hexahydrate (CoCl2 . 6H2O) 0.0250
- Cupric Sulfate, Pentahydrate (CuSO4 . 5H2O) 0.0250
- EDTA, Disodium, Dihydrate (C10H14N2Na2O8 . 2H2O) 37.2600
- Ferrous Sulfate, Heptahydrate (FeSO4.7H2O) 27.8000
- Magnesium Sulfate, Anhydrous (MgSO4) 180.7000
- Manganese Sulfate, Monohydrate (MnSO4 . H2O) 16.9000
- Molybdic Acid Sodium Salt, Dihydrate (Na2MoO4 . 2H2O) 0.2500

1.محیط کشت LS

- Myo-Inositol (C6H12O6) 100.0000
- Potassium Iodide (KI) 0.8300
- Potassium Nitrate (KNO3) 1900.0000
- Potassium Phosphate, Monobasic, Anhydrous (KH2PO4) 170.0000
- Thiamine, Hydrochloride (C12H17ClN4OS . HCl) 0.4000
- Zinc Sulfate, Heptahydrate (ZnSO4.7H2O) 8.6000

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2.محیط کشت NITSCH

- Ammonium Nitrate (NH4NO3) 720.0000
- Biotin (C10H16N2O3S) 0.0500
- Boric Acid (H3BO3) 10.0000
- Calcium Chloride, Anhydrous (CaCl2) 166.0000
- Cupric Sulfate, Pentahydrate (CuSO4 . 5H2O) 0.0300
- EDTA, Disodium, Dihydrate (C10H14N2Na2O8 . 2H2O) 37.2600
- Ferrous Sulfate, Heptahydrate (FeSO4.7H2O) 27.8000
- Folic Acid (C19H19N7O6) 0.5000
- Glycine (C2H5NO2) 2.0000
- Magnesium Sulfate, Anhydrous (MgSO4) 90.3700
- Manganese Sulfate, Monohydrate (MnSO4 . H2O) 18.9000

NITSCH محیط کشت

- Molybdic Acid Sodium Salt, Dihydrate (Na2MoO4 . 2H2O) 0.2500
- Myo-Inositol (C6H12O6) 100.0000
- Nicotinic Acid (C6H5NO2) 5.0000
- Potassium Nitrate (KNO3) 950.0000
- Potassium Phosphate, Monobasic, Anhydrous (KH2PO4) 68.0000
- Pyridoxine, Hydrochloride (C8H11NO3 . HCl) 0.5000
- Thiamine, Hydrochloride (C12H17ClN4OS . HCl) 0.5000
- Zinc Sulfate, Heptahydrate (ZnSO4.7H2O) 10.0000

3.محیط کشت WPM

- Ammonium Nitrate (NH4NO3) 400.0000
- Boric Acid (H3BO3) 6.2000
- Calcium Chloride, Anhydrous (CaCl2) 72.4700
- Calcium Nitrate, Tetrahydrate (Ca(NO3)2 . 4H2O) 556.0000
- Cupric Sulfate, Anhydrous (CuSO4) 0.1600
- EDTA, Disodium, Dihydrate (C10H14N2Na2O8 . 2H2O) 37.3000
- Ferrous Sulfate, Heptahydrate (FeSO4.7H2O) 27.8500
- Glycine (C2H5NO2) 2.0000
- Magnesium Sulfate, Anhydrous (MgSO4) 180.7000
- Manganese Sulfate, Monohydrate (MnSO4 . H2O) 22.3000
- Molybdic Acid Sodium Salt, Dihydrate (Na2MoO4 . 2H2O) 0.2500

محیط کشت WPM

- Myo-Inositol (C6H12O6) 100.0000
- Nicotinic Acid (C6H5NO2) 0.5000
- Potassium Phosphate, Monobasic, Anhydrous (KH2PO4) 170.0000
- Potassium Sulfate, Anhydrous (K2SO4) 990.0000
- Pyridoxine, Hydrochloride (C8H11NO3 . HCl) 0.5000
- Thiamine, Hydrochloride (C12H17ClN4OS . HCl) 1.0000
- Zinc Sulfate, Heptahydrate (ZnSO4.7H2O) 8.6000

4.محیط کشتN6

- Ammonium Sulfate ((NH4)2SO4) 463.0000
- Boric Acid (H3BO3) 1.6000
- Calcium Chloride, Anhydrous (CaCl2) 125.3300
- EDTA, Disodium, Dihydrate (C10H14N2Na2O8 . 2H2O) 37.2500
- Ferrous Sulfate, Heptahydrate (FeSO4.7H2O) 27.8500
- Glycine (C2H5NO2) 2.0000
- Magnesium Sulfate, Anhydrous (MgSO4) 90.3700
- Manganese Sulfate, Monohydrate (MnSO4 . H2O) 3.3300
- Nicotinic Acid (C6H5NO2) 0.5000
- Potassium Iodide (KI) 0.8000
- Potassium Nitrate (KNO3) 2830.0000

محیط کشتN6

- Potassium Phosphate, Monobasic, Anhydrous (KH2PO4) 400.0000
- Pyridoxine, Hydrochloride (C8H11NO3 . HCl) 0.5000
- Thiamine, Hydrochloride (C12H17ClN4OS . HCl) 1.0000
- Zinc Sulfate, Heptahydrate (ZnSO4.7H2O) 1.5000

5.محیط کشت MS

- Ammonium Nitrate (NH4NO3) 1650.0000
- Boric Acid (H3BO3) 6.2000
- Calcium Chloride, Anhydrous (CaCl2) 332.2000
- Cobalt Chloride, Hexahydrate (CoCl2 . 6H2O) 0.0250
- Cupric Sulfate, Pentahydrate (CuSO4 . 5H2O) 0.0250
- EDTA, Disodium, Dihydrate (C10H14N2Na2O8 . 2H2O) 37.2600
- Ferrous Sulfate, Heptahydrate (FeSO4.7H2O) 27.8000
- Glycine (C2H5NO2) 2.0000
- Magnesium Sulfate, Anhydrous (MgSO4) 180.7000
- Manganese Sulfate, Monohydrate (MnSO4 . H2O) 16.9000
- Molybdic Acid Sodium Salt, Dihydrate (Na2MoO4 . 2H2O) 0.2500

محیط کشت MS

- Myo-Inositol (C6H12O6) 100.0000
- Nicotinic Acid (C6H5NO2) 0.5000
- Potassium Iodide (KI) 0.8300
- Potassium Nitrate (KNO3) 1900.0000
- Potassium Phosphate, Monobasic, Anhydrous (KH2PO4) 170.0000
- Pyridoxine, Hydrochloride (C8H11NO3 . HCl) 0.5000
- Thiamine, Hydrochloride (C12H17ClN4OS . HCl) 0.1000
- Zinc Sulfate, Heptahydrate (ZnSO4.7H2O) 8.6000