

Williams' Medium E w/L-Glutamine w/o Glucose Culture Media

Williams' Medium E w/L-Glutamine w/o Glucose (Powder)

CATALOG #
AAA14824

PRODUCT SYNONYMS

Williams' Medium E w/L-Glutamine w/o Glucose; Williams' Medium E w/L-Glutamine w/o Glucose (Powder); Williams' Medium E w/L-Glutamine w/o Glucose culture media

PRODUCT SPECIFICATIONS

Purity/Purification	Cell Culture Grade
Appearance	Light orange, homogeneous, free flowing powder
Endotoxin Level	≤ 1 EU/ml
pH	5.0
Solubility	Yellow, clear, complete
Directions per Liter	Dissolve 8.8g in 800-900ml of ddH ₂ O stirring gently until completely solubilized. If required, add sodium bicarbonate. Adjust pH of the medium to the desired level. Add additional water to bring the solution to 1L. Filter-sterilize using a 0.22 micron membrane filter. Aliquot into sterile containers. Do not autoclave. Contains heat-labile compounds that can be damaged with autoclaving.

Media Formulation**Components shown as g/liter****Inorganic Salts**

Calcium Chloride•2H₂O 0.265
Cupric Sulfate•H₂O 0.0000001
Ferric Nitrate•9H₂O 0.0000001
Magnesium Sulfate 0.0977
Manganese Chloride•4H₂O 0.0000001
Potassium Chloride 0.4
Sodium Chloride 6.8
Sodium Phosphate Monobasic 0.122
Zinc Sulfate•7H₂O 0.0000002

Amino Acids

L-Alanine 0.09
L-Arginine 0.05
L-Asparagine•H₂O 0.02
L-Aspartic Acid 0.03
L-Cysteine (free acid) 0.04
L-Cystine*2HCl 0.02
L-Glutamic Acid 0.0445
L-Glutamine 0.292
Glycine 0.05
L-Histidine 0.015
L-Isoleucine 0.05
L-Leucine 0.075
L-Lysine•HCl 0.08746
L-Methionine 0.015
L-Phenylalanine 0.025
L-Proline 0.03
L-Serine 0.01
L-Threonine 0.04
L-Tryptophan 0.01
L-Tyrosine•2Na•2H₂O 0.05045
L-Valine 0.05

Vitamins

Ascorbic Acid•Na 0.00227
D-Biotin 0.0005
Choline Chloride 0.0015
Vitamin B-12 0.0002
Calciferol 0.0001
Folic Acid 0.001
myo-Inositol 0.002
Menadione (sodium bisulfate) 0.00001
Niacinamide 0.001
D-Pantothenic Acid•Ca 0.001
Pyridoxal•HCl 0.001
Riboflavin 0.0001
Thiamine•HCl 0.001
DL-a-Tocopherol Phosphate•2Na 0.00001
Retinol Acetate 0.0001

Other

D-Glucose Absent
Glutathione 0.00005
Methyl Linoleate 0.00003
Phenol Red, Sodium 0.0107
Pyruvic Acid, Sodium 0.025

Total: 8.8g/L

Preparation and Storage

Store powdered media at RT. Opened bottles should be capped tightly and kept in a dark, low humidity environment. Prepared media should be kept at 4°C and used within a short period of time.

Note: Hygroscopic. Keep tightly closed and dessicated.

ADDITIONAL INFORMATION

Related Product Information for Williams' Medium E w/L-Glutamine w/o Glucose culture media

Media for Mammalian Cell Culture

Product Categories/Family for Williams' Medium E w/L-Glutamine w/o Glucose culture media

[Culture Media](#); [Media-Cell Culture](#); [Williams'](#)

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/culture-media/williams-medium-e-w-l-glutamine-w-o-glucose/14824>