



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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William's E (with L-glutamine)

Cat. No: PM151221
Size: 500mL

General Information

Concentration	1×
pH	7.2-7.4
D-glucose	2000mg/L
HEPES	Negative
L-glutamine	2mM
NaHCO ₃	2200mg/L
Phenol red	10mg/L
Sodium Pyruvate	0.23mM
Glutathione	0.05mg/L
Methyl Linoleate	0.03mg/L
Storage	2-8°C, Shading light
Shipping	RT
Expiration date	12 months

Background

William's E medium was designed by William and Gunn. It is mainly used for the long-term culture of rat liver epithelial cells, and can also be used for the culture of other mammalian liver cells. L-glutamine is a necessary nutrient element in cell culture, but it is unstable in solution and will spontaneously degrade. The medium without L-glutamine can add fresh L-glutamine or its substitute arbitrarily according to research needs. William's medium contains many kinds of amino acids, vitamins, inorganic salts and other ingredients for cell culture, but does not contain protein, lipids or any growth factors. Therefore, the product should be used with serum or serum-free additives.

Notes

1. This product is for research use only.
2. It is necessary to pay attention to the aseptic operation and avoid the pollution.