William's E, without L-glutamine, phenol red

Cat. No.: PM151212

Size: 500mL

General Information

Product Form	Liquid
Concentration	1 ×
pH	7.0-7.6
D-Glucose	2000 mg/L
HEPES	Negative
L-Glutamine	Negative
$NaHCO_3$	2200 mg/L
Phenol Red	Negative
Sodium Pyruvate	0.23 mM
Glutathione	0.05 mg/L
Methyl Linoleate	0.03 mg/L
Storage	2-8°C, Shading Light
Shipping	Room Temperature
Expiration date	24 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 only used for scientific research or further research, not for diagnosis and treatment.
2. This product is sterilized by 0.1 μm filtration.
3. It is necessary to pay attention to the aseptic operation and avoid the contamination.