

William's E Culture Media

William's E (with L- alanyl -glutamine)

CATALOG # AAA177759	APPLICATIONS Cell Culture
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PRODUCT SYNONYMS

William's E; William's E (with L- alanyl -glutamine); William's E culture media

PRODUCT SPECIFICATIONS

Form/Format	Liquid
Concentration	1x (varies by lot)
Applicable Applications for William's E culture media	Cell Culture
PH	7.2-7.4
D-glucose	2000mg/L
HEPES	Negative
L- Alanyl- L- glutamine	2mM
NaHCO ₃	2200mg/L
Phenol Red	10mg/L
Notes	1. This product is for research use only. 2. This product is sterilized by 0.1 um filtration. 3. It is necessary to pay attention to the aseptic operation and avoid the contamination.
Sodium Pyruvate	25mg/L
Preparation and Storage	Store at 2-8 degree C, Shading light Expiration Date: 12 months

ADDITIONAL INFORMATION

Related Product Information for William's E culture media	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-alanyl-L-glutamine is an advanced cell culture additive and as a substitute for L-glutamine. L-glutamine is a necessary nutrient element for cells. But it is unstable in solution and can be degraded spontaneously to form ammonia and pyroglutamic acid and ammonia is harmful to cells. L-alanyl-L-glutamine is stable in aqueous solution and does not degrade spontaneously. The mechanism used by the cell is that the cell gradually releases a peptidase into the culture medium during cell culture. The peptidase can hydrolyze L-alanyl-L-glutamine into L-alanine and L-glutamine. L-alanine and L-glutamine can be absorbed and utilized by cells. This not only increases the utilization rate of L-glutamine, but also does not produce excess ammonia, which is more beneficial to cell growth. 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.
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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.

