

**MEM non Essential Amino Acids 100X**  
w/o L-Glutamine

**CAT N°** : ISX0557 -100

**Theoretical pH** : 3.4 ± 1 (before dilution)

**Osmolality** : 70 mOsm/kg ± 10 % (before dilution)

**Colour** : Colourless

**Storage conditions** : +2°C to +8°C, protected from light

**Shelf life** : 24 months

**Sterility tests** :

- Bacteria in aerobic and anaerobic conditions
- Fungi and yeasts

**Endotoxin** : <1 EU/ml

**Composition** : displayed on website; also available on request

**Recommended use** :

- Respect storage conditions of the product
- Do not use the product after its expiry date
- Store product in an area protected from light (not necessary for saline solutions).
- Manipulate the product in aseptic conditions (e.g. : under laminar air flow)
- Wear clothes adapted to the manipulation of the product to avoid contamination (e.g. : gloves, mask, hygiene cap, overall...)

The product is intended to be used *in vitro*, in laboratory only. Do not use it in therapy, human or veterinary applications.

**Application** :

Adding supplements of amino acids to media stimulates growth and prolongs the viability of cells in culture. This concentrated supplement adds nutrients and reduces the biosynthetic burden on cell *in vitro*

**Utilisation** :

Add this MEM non Essential Amino Acids 100X w/o L-Glutamine to your basal medium (the final concentration of the MEM must be 1X) and use this medium as a classical MEM.

**Indications of deterioration** :

Medium should be clear and free of particulate and flocculent material.

Do not use if medium is cloudy or contains precipitate.

Other evidence of deterioration may include colour change or degradation of physical or performance characteristics.

**For Research use only**

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**Product code : ISX0557-100**

**Product name : MEM Non Essential Amino Acids 100Xw/o L-Glutamine**

CAS Number	Components	Quantity in g/l
56-40-6	Glycine	0.75000000
56-41-7	L-Alanine	0.89000000
5794-13-8	L-Asparagine Monohydrate	1.50000000
56-84-8	L-Aspartic acid	1.33000000
56-86-0	L-Glutamic Acid	1.47000000
147-85-3	L-Proline	1.15000000
56-45-1	L-Serine	1.05000000
WATER		991.86000000

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