

McCoy's 5A w/ L-Glutamine w/o Sodium Bicarbonate

CAT N° : P0390

Theoretical pH : 4.5 ± 0.3

Osmolality : 255 mOsm/kg \pm 10%

Storage conditions : Store dry powder medium at +2°C to +8°C
Store hydrated medium at +2°C to +8°C, protected from light

Shelf life : 36 months

Endotoxins : < 10 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 the product in a dry area
- Wear clothes adapted to the manipulation of the product to avoid contamination (e.g. : gloves, mask, hygiene cap, overall...)
- Protect the product from any form of humidity
- Use, in one time, after opening, the entire quantity of product of the container, without making a concentrated solution (to avoid the formation of precipitates). If it is not possible, close the container immediately after sampling the quantity of powder required.
- Supplements can be added prior to sterile filtration of the medium or aseptically introduced to sterile medium (respect the final concentration of the media). The nature of the supplements may affect storage conditions and shelf life of the medium.

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

Application :

Originally developed to support liver tumor cells, this medium allows the primary culture of cells from a wide range of tissues (bone marrow, skin, kidney, lung, rat embryos ...)

Preparation instructions :

- 1) Measure out 90% of final required volume of water. Water temperature should be 15-30°C.
- 2) While gently stirring the water, add the powdered medium (11.96 g/l). Stir until dissolved. Do not heat.
- 3) Rinse original package with a small amount of water to remove all traces of powder. Add to solution in step 2.
- 4) For each litre being prepared, add 2.20g sodium bicarbonate (CAT N° : P2060) or 29.3 ml of 7.5% sodium bicarbonate solution (CAT N° : L0680)
- 5) While stirring, adjust the pH of the medium at the desired pH, it may increase during filtration. The use of 1 N HCl or 1 N NaOH is recommended
- 6) Add additional water to bring the solution to final volume.
- 7) Sterilize immediately by filtration using a membrane with a porosity of 0.22 microns.
- 8) Aseptically dispense medium into sterile container.

Indications of deterioration :

Dry powder medium should be free flowing. Do not use if powder caked. Prepared medium should be cleared of particulates and flocculent material. Do not use if liquid medium is cloudy or contains precipitate. Other evidence of deterioration may include colour change or degradation of physical performance characteristics.

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Product name : McCoy's 5A w/ L-Glutamine w/o Sodium Bicarbonate

CAS Number	Components	Quantity in g/l
10035-04-8	Calcium Chloride Dihydrate	0.13246000
7487-88-9	Magnesium Sulfate Anhydrous	0.09766000
7447-40-7	Potassium Chloride	0.40000000
7647-14-5	Sodium Chloride	6.46000000
7558-80-7	Sodium Phosphate Monobasic Anhydrous	0.50435000
50-99-7	D-Glucose Anhydrous	3.00000000
56-40-6	Glycine	0.00750000
56-41-7	L-Alanine	0.01390000
1119-34-2	L-Arginine Monohydrochloride	0.04210000
70-47-3	L-Asparagine Anhydrous	0.04500000
56-84-8	L-Aspartic acid	0.01997000
52-90-4	L-Cysteine Free base	0.03150000
56-86-0	L-Glutamic Acid	0.02210000
56-85-9	L-Glutamine	0.21920000
5934-29-2	L-Histidine Monohydrochloride Monohydrate	0.02096000
51-35-4	L-Hydroxy-L-Proline	0.01970000
73-32-5	L-Isoleucine	0.03936000
61-90-5	L-Leucine	0.03936000
657-27-2	L-Lysine Monohydrochloride	0.03650000
63-68-3	L-Methionine	0.01490000
63-91-2	L-Phenylalanine	0.01650000
147-85-3	L-Proline	0.01730000
56-45-1	L-Serine	0.02630000
72-19-5	L-Threonine	0.01790000
73-22-3	L-Tryptophan	0.00310000
69847-45-6	L-Tyrosine Disodium Salt Dihydrate	0.02610000
72-18-4	L-Valine	0.01760000
50-81-7	Ascorbic Acid	0.00050000
67-48-1	Choline Chloride	0.00500000
58-85-5	D-Biotin	0.00020000
137-08-6	D-Ca Pantothenate	0.00020000
59-30-3	Folic Acid	0.01000000
87-89-8	Myo-Inositol	0.03600000
98-92-0	Nicotinamide (Nicotinic acid amide)	0.00050000
59-67-6	Nicotinic Acid	0.00050000
150-13-0	P-Aminobenzoic Acid (PABA)	0.00100000
65-22-5	Pyridoxal Hydrochloride	0.00050000
83-88-5	Riboflavin	0.00020000
67-03-8	Thiamine Hydrochloride	0.00020000
68-19-9	Vitamine B12	0.00200000

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CAS Number	Components	Quantity in g/l
70-18-8	L-Glutathione (Reduced)	0.00050000
91079-38-8	Bactopeptone	0.60000000
34487-61-1	Phenol Red (Sodium Salt)	0.01020000
WATER		988.04118000