RPMI-1640, Powder, L-Alanyl-L-Glutamine, no Phenol Red

Cat. No.：G4542P

Product Information

Product Name	Cat. No.	Spec.
RPMI-1640, Powder, L-Alanyl-L-Glutamine, no Phenol Red	G4542P-1L	1 L
	G4542P-10L	10 L

Product Description/Introduction

This product is powdered RPMI-1640 medium containing 2.05 mM L-alanyl-L-glutamine, no phenol red indicator, no sodium pyruvate, no HEPES, additional sodium bicarbonate is required for use.

Storage and Shipping Conditions

Ship at room temperature; Store away from light at 2-8°C, valid for 3 years.

Assay Protocol / Procedures

Preparation

1. Prepare clean container close to final volume.
2. Prepare distilled water at room temperature (15-30°C) or water for cell injection (recommended G4701).
3. Prepare 1 N NaOH and 1 N HCl.

Steps to prepare solution with dry powder

1. Fill the prepared clean container with 95% final volume of distilled water, take 1 bottle of this product (can prepare 1 L of culture medium) or weigh the powder according to the proportion and put it into the water to dissolve. Note that the powder can be quickly dissolved after disintegration in water, such as high-speed stirring may make the powder into a mass, the formation of water film on the surface, but not conducive to dissolution. Therefore, the powder into the water without high-speed stirring.
2. After the powder is dissolved, add sodium bicarbonate according to the dosage of 2.0 g/L and stir to dissolve. If you need to prepare other volumes, add sodium bicarbonate according to the corresponding volume.
3. Adjust pH to 0.2-0.3 units below working pH with 1 N NaOH and 1 N HCl (recommended working pH 7.0-7.4). The solution will increase in pH by 0.1-0.3 units after filtration.
4. Add water to fix the volume to the final volume. Keep the solution sealed before filtration.
5. Filtration into sterile containers using 0.2 μm membranes (note sterile handling).
6. After filtration, a little liquid can be taken for aseptic inspection and used after passing. The prepared liquid medium is stored at 2-8°C and valid for 1 years.

Note

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1. Dry powder is easy to absorb moisture, seal in time after use.
2. Take care to protect yourself when taking dry powder to prevent inhalation.
3. Keep the medium container covered during stirring and filtering, and stop stirring when the dry powder is dissolved.
4. For your safety and health, please wear safety glasses, gloves and protective clothing.

Related Products

Cat. No.	Product Name
G4701	Pure water, laboratory use only
GC104004	Sodium bicarbonate
PET-500-YT-J	500 mL clear reagent bottle (sterile and enzyme-free with rounded shoulders)
PET-1000-YT-J	1000 mL clear reagent bottle (sterile and enzyme-free with rounded shoulders)
SF-PES-223301	Needle filter (0.2μm/PES/sterile)

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Ver. No.: V1.1-20260531

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