	记录编号 FN: SMP-RD-A0002-R06	版本号 Ver: 2.1
	归档 Filing: filed immediately, permanently kept	生效日期 Ed: 2023.01.12

产品使用说明书 Product Instruction Manual

多宁/DuoNING

动物细胞高性能培养基 High-Performance Culture Medium for Animal-Cells

V155-01

【产品名称 Product name】200mM L-Glutamine

【主货号 Main Art. No.】Q003

液体包装 Liquid packaging

【产品说明 Product description】

200mM L-Glutamine 是细胞培养补充剂。L-谷氨酰胺是细胞培养所需的一种氨基酸。L-谷氨酰胺参与蛋白质的合成和核酸的合成。大多数细胞培养时，如果缺乏 L-谷氨酰胺会造成细胞生长不良甚至死亡。该产品是 L-谷氨酰胺（分子式为 C₅H₁₀N₂O₃，分子量为 146.15）制备成的无菌溶液，-20 冻存储存。

200mM L-Glutamine is a cell culture supplement. L-Glutamine is an amino acid required for cell culture. L-Glutamine is involved in protein synthesis and nucleic acid synthesis. Lack of L-Glutamine during most cell culture processes can lead to poor cell growth and even death. The product is a sterile solution prepared from L-Glutamine (molecular formula C₅H₁₀N₂O₃, molecular weight 146.15) and frozen at -20°C.


【使用指南 User guide】

200mM L-Glutamine 作为细胞培养补充剂，依据细胞类型和培养基来决定最佳浓度，通常添加 2~6 mM。-20°C 储存的 200mM L-Glutamine 从冰箱中取出后需要放置 35°C 温水中解冻，过程中需进行晃动混匀（此过程需要约 30min），至液体澄清后直接使用或者 2~8°C 暂存。

200mM L-Glutamine is used as a cell culture supplement, and the optimal concentration is determined based on cell type and culture medium, usually adding 2 to 6 mM. 200mM L-Glutamine stored at -20°C needs to be placed in 35 °C warm water to thaw after being taken out of the refrigerator. During the process, it needs to be shaken and mixed (this process takes about 30 minutes). It can be used directly after the liquid has clarified or temporarily stored at 2-8 °C.

注意事项 matters needing attention:

- 本产品 在 -20°C 储存，经水浴化冻后为无色澄清液体，因其在 2~8°C 长期放置过程会发生沉淀和降解，故建议化冻后 1~2 周内使用完。
- This product, stored at -20 °C, is a colorless and clear liquid after being thawed in a water bath. Due to the precipitation and degradation that may occur during long-term storage at 2-8 °C, it is recommended to use it within 1-2 weeks after thawing.

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- 由于谷氨酰胺的不稳定性，建议需要使用时再添加至培养基中使用。
- Due to the instability of glutamine, it is recommended to add it to the culture medium when needed.

【储存和复验期 Storage and retest date】

-20℃ 避光储存，有效期为 24 个月。

Store at -20 °C away from light, with an expiration date of 24 months.

【生产企业信息 Manufacturer information】

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