Palmitic acid BSA high-fat cell additive

P767990

Store at -20℃ for 12 months.

Introduction:

1. The active ingredient of this product is Palmitic acid, and the concentration is 6 mM.
2. This product is a sterile solution (filtered through 0.22 μm) and can be directly miscible with the complete culture medium for experiments.
3. Both the high-fat cell additive and the solvent control in this product are light yellow clear liquids.
4. The solvent used in this product does not contain NaOH or organic solvents and is non-toxic to cells.
5. This product can be used to induce cellular lipotoxicity, endoplasmic reticulum stress, oxidative stress, mitochondrial damage, apoptosis, etc.

Usage method:

1. For different cell types and experimental purposes, the concentration of this product used is different. Generally, it is diluted at a ratio of 1:120 to 1:10 with the cell culture medium.
2. For the first use of this product, it is recommended to treat the cells with a concentration gradient to explore the appropriate concentration that can achieve specific effects for specific cells.
3. When the cells grow to a confluence of 80-100%, replace the medium with fresh medium, add this product dropwise at an appropriate concentration, add the solvent control of an equal volume to the control group, gently mix well, and then put the cells into the cell incubator for continuous culture.
4. 20 to 48 hours after adding this product, collect the cells for the next step of analysis.

Matters needing attention:

1. After receiving the product, it can be aliquoted and stored at -20°C for a long time; it can be stored at 2-8°C for a short period of 3 months.
2. Since the solvent BSA affects the absorbance, when using CCK-8 to detect cytotoxicity, after discarding the mixture of the high-fat cell additive and the culture medium, the cells need to be washed 2-3 times with PBS, and then the CCK-8 working solution should be added.