# Grace's supplement medium for insect Cells

**Cat. No. : PM152012**

**Size : 500mL**

## General Information

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|---|---|
| **Product Form** | Liquid |
| **Concentration** | 1 × |
| **pH** | 6.1-6.4 |
| **D-Glucose** | 700 mg/L |
| **HEPES** | Negative |
| **L-Glutamine** | 600 mg/L |
| **$NaHCO_3$** | 350 mg/L |
| **D(-)-Fructose** | 400 mg/L |
| **D(+)-Sucrose** | 26680 mg/L |
| **Hydrolysed Protein** | 3303 mg/L |
| **Yeast** | 3330 mg/L |
| **Storage** | 2-8°C, Shading Light |
| **Shipping** | Room Temperature |
| **Expiration date** | 12 months |

## Background

Grace's supplement medium for insect cells was originally designed for cell growth of Antherea eucalypti, and is widely used for the cell growth of Spodoptera frugiperda, such as Sf9 and Sf21 cells. Sf9 and Sf21 cells are commonly used in baculovirus expression vector system (BEVS) to express recombinant proteins.

This product contains hydrolyzed milk protein, yeast powder, L-glutamine and sodium bicarbonate. In addition, this product needs to be used with serum or serum-free additives.

## Guidelines for use

Procell's cell culture media undergoes strict quality control to ensure sterility, but may get contaminated during use. Follow these guidelines for sterile handling to avoid contamination.

1. Always wipe your gloved hands and work area with 70% ethanol.
2. Wipe the outside of the containers, flasks, plates, and dishes with 70% ethanol before placing them in the cell culture hood.
3. Use sterile pipette tips and pipettes to work with liquids, and use each pipette tip only once to avoid cross-contamination. Do not unwrap sterile pipettes until they are ready to be used. Keep pipettes and tips within the clean work area.
4. Do not talk while performing sterile procedures and perform your cell culture as efficiently and carefully as possible to minimize contamination.

## Quality control

Standard evaluations for cell culture media are pH, osmolality, endotoxins and sterility testing for liquid products, cell growth experiments.

## Notes

1. This product is for research use only.
2. This product is sterilized by 0.1 μm filtration.
3. It is necessary to pay attention to the aseptic operation and avoid the contamination.