# Sodium Pyruvate Solution, 100 mM

Contains 11.0 g/L Sodium Pyruvate in Cell Culture Water

**Cat. No. CSDPY001 | Size: 100 ML**

## 1. Product Description

Pyruvate acts as an important energy source along with glucose within cells. Glucose goes through the form of pyruvate via glycolysis, and pyruvate ultimately produces ATP, the biological energy, through the Krebs cycle. Therefore, high-efficiency cell proliferation can be expected in culture media with additional pyruvate compared to media containing only glucose. This product (Cat. No. CSDPY001) is a high-concentration solution of 100 mM (11.0 g/L) and can generally be diluted 1/100 (1 mM) for use, but should be diluted considering the cell type and culture purpose.

## 2. Composition

| Components | g/L |
|---|---|
| Sodium Pyruvate | 11.0 |

## 3. Product Quality Specifications

| Appearance | pH | Osmolality | Sterility |
|---|---|---|---|
| Colorless clear liquid | pH 6.0 ~ 8.0 | 185 ± 10% mOsm/kg $H_2O$ | Sterile |

## 4. Storage Conditions and Precautions

Store at refrigerated temperatures (2~8°C) protected from direct light. The expiration date is indicated on the product label; do not use expired products. Product degradation during storage may appear as precipitates, floating particles, turbidity, or color change; discard if any are observed. Storing against the inner walls of a refrigerator where temperatures may approach 0°C can cause degradation due to ice crystal formation. The addition of extra substances may also cause degradation.

## 5. Usage Instructions and Precautions

This product is a sterile solution. Open the cap only in a sterile environment (e.g., a clean bench) using aseptic technique. It is recommended to use the entire contents after opening; otherwise, aliquot into a suitable sterile container and store properly.