# Krebs-Hensleit's Solution

**Cat. No.: PB180348**

**Size: 500mL**

## General Information

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|---|---|
| **Product Form** | Liquid |
| **Concentration** | 1 × |
| **pH** | 7.2-7.6 |
| **D-Glucose** | 2000 mg/L |
| **$NaHCO_3$** | 1260 mg/L |
| **Phenol red** | Negative |
| **$CaCl_2$ (anhydrous)** | 30.8 mg/L |
| **$MgSO_4 \cdot 7H_2O$** | 232 mg/L |
| **Storage** | 2-30°C |
| **Shipping** | Room Temperature |
| **Expiration date** | 24 months |

## Background

Balanced Salt Solution (BSS), also known as Physiological Solution, combines the features of buffering function of buffer, isotonicity of normal saline, and the nutrient supply of the culture medium. It works to maintain osmotic pressure, stabilize pH stability and provide simple nutrition, meeting the basic survival and metabolism needs of tissues, organs and cells in in vitro experiments. Some BSS are added with a small amount of phenol red to indicate pH value changes.

Krebs-Hensleit's Solution is a balanced salt solution jointly developed by the famous biochemist Krebs and his student Hensleit. Its components mainly include NaCl, KCl, $KH_2PO_4$, $MgSO_4$, $CaCl_2$, $NaHCO_3$ and glucose. Krebs-Hensleit's Solution is suitable for various tissues of mammals, and is often used for perfusion of isolated tracheal strips, hearts and livers.

## Notes

1. This product is only used for scientific research or further research, not for diagnosis and treatment.
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.