



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Hank's Solution (HBSS), with calcium, magnesium, phenol red

Cat. No: PB180324  
Size: 500mL

### General Information

Product Form	Liquid
Concentration	1×
pH	7.2-7.4
D-glucose	1000mg/L
NaHCO <sub>3</sub>	350mg/L
Phenol red	10mg/L
CaCl <sub>2</sub> (anhydrous)	140mg/L
MgCl <sub>2</sub> •6H <sub>2</sub> O	100mg/L
MgSO <sub>4</sub> •7H <sub>2</sub> O	100mg/L
Storage	2-30°C
Shipping	RT
Expiration date	36 months

### Background

Balanced Salt Solution (Physiological Solution) have the properties of buffer solution (regulate pH), normal saline (maintain osmotic pressure) and culture medium (provide nutrition). It can meet the basic needs of survival and metabolism of tissues, organs or cells in vitro. A small amount of phenolic red was added to some equilibrium salt solutions to indicate the pH change of the solution. Hank's Balanced Salt Solution (HBSS) is one of the commonly used phosphate buffers in cell separation or culture. The main components are NaCl, KCl, KH<sub>2</sub>PO<sub>4</sub>, Na<sub>2</sub>HPO<sub>4</sub>, NaHCO<sub>3</sub>, CaCl<sub>2</sub>, MgCl<sub>2</sub>, MgSO<sub>4</sub> and glucose. HBSS is often used to rinse tissue or cells, to transport cells or tissues, to prepare other reagents, to dilute the cells when counting the cells.

### Notes

1. This product is for research use only.
2. This product is sterilized by 0.22 μ m filtration.
3. It is necessary to pay attention to the aseptic operation and avoid the pollution.
4. Since the solution contains calcium and magnesium, there maybe precipitation produced, which will be dissolved after 37°C water bath incubation.
5. Since the content of NaHCO<sub>3</sub> in Hank's Balanced Salt solution is low, it can't be applied in 5% CO<sub>2</sub> environment. If the solution is put into CO<sub>2</sub> culture phase, it will quickly become acidic.