



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Hank's Balanced Salt Solution (HBSS), with calcium, magnesium, without phenol red

Cat. No: PB180323
Size: 500mL

General Information

Product Form	Liquid
Concentration	1×
pH	7.2-7.4
D-glucose	1000mg/L
NaHCO ₃	350mg/L
Phenol red	negative
CaCl ₂	140 mg/L
MgCl ₂ •6H ₂ O	100 mg/L
MgSO ₄ •7H ₂ O	100 mg/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, KH₂PO₄, Na₂HPO₄, NaHCO₃, CaCl₂, MgCl₂, MgSO₄ 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 NaHCO₃ in Hank's Balanced Salt solution is low, it can't be applied in 5% CO₂ environment. If the solution is put into CO₂ culture phase, it will quickly become acidic.