R&D SYSTEMS
a bio-techne brand

Hanks' Balanced Salt Solution (HBSS)

with Calcium and Magnesium Salts

Catalog Number:	Size:
B32150	500 mL

PRODUCT DESCRIPTION

Hanks' Balanced Salt Solution (HBSS) is an isotonic buffer solution containing inorganic salts and a carbohydrate as an energy source. It is used for various cell culture applications including the short -term maintenance of cells in a non-CO_2 environment, washing cells before dissociation or counting, and transporting cells or tissues. HBSS is manufactured with and without calcium and magnesium salts, and with and without phenol red.

Each lot of HBSS is prepared from a powdered base medium and tissue culture-grade water. Representative samples of each lot of HBSS are tested to confirm the absence of bacterial or fungal contamination using methods adapted from the current U.S. Pharmacopeia. HBSS is manufactured in our ISO 9001:2015 certified facility.

For the specific media formulation, please refer to the Media Formulation section of the datasheet.

STORAGE AND HANDLING

HBSS is supplied in gamma-irradiated, sterile PETG or PETE bottles. We recommend that HBSS be stored at a temperature of 2-8 °C, and protected from strong light. Always use aseptic techniques when handling and supplementing HBSS.

PRECAUTION

When handling bio-hazardous materials such as human cells, safe laboratory procedures should be followed, and personal protective equipment should be worn.

LIMITATIONS

- FOR LABORATORY RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
- The safety and efficacy of this product in diagnostic or other clinical uses has not been established.
- Results may vary due to variations among tissue/cells derived from different donors or sources.

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MEDIA FORMULATION

INORGANIC SALTS	mg/L
Calcium Chloride • $2H_2O$	184.45
Magnesium Sulfate (Anhydr.)	97.67
Potassium Chloride	400.00
Potassium Phosphate, Monobasic (Anhydr.)	60.00
Sodium Chloride	8000.00
Sodium Phosphate, Dibasic (Anhydr.)	47.69

OTHER COMPONENTS	mg/L
D-Glucose	1000.00
Phenol Red • Na	10.20
Sodium Bicarbonate	350.00