

Product Information

Hanks' Balanced Salt Solution

HBSS Modified 10X, with calcium, with magnesium, with phenol red, without sodium bicarbonate

CATALOG NO. 55225C

Description

Hanks' Balanced Salt Solution (HBSS) is designed for use with cells maintained in non-CO₂ atmospheric conditions.

Formulation

Component (all components measured in mg/L)	
INORGANIC SALTS	
Calcium chloride dihydrate	1854.000
Magnesium sulfate heptahydrate	2000.000
Potassium chloride	4000.000
Potassium phosphate monobasic anhydrous	600.000
Sodium chloride	8000.000
Sodium phosphate dibasic heptahydrate	900.000
OTHER	
Dextrose anhydrous	1000.000
Phenol red sodium salt	106.200

Precautions

Use aseptic technique when handling or supplementing this buffer after filtration. This product is for further manufacturing THIS PRODUCT IS NOT INTENDED FOR HUMAN OR THERAPEUTIC USE.

Storage

This product should be stored at 15 to 30 C. Do not use after the expiration date.

Indications of Deterioration

Buffer should be clear of particulates and flocculent material. Do not use if liquid buffer is cloudy or contains precipitate. Other evidence of deterioration may include color change, pH shift and degradation of physical or performance characteristics.

Preparation Instructions

Supplements, such as antibiotics, can be added to the sterilized solution using aseptic technique. Storage conditions and shelf life of the supplemented product may be affected by the nature of the supplements.

Characteristics

Appearance

Clear solution

Endotoxin

Refer to Certificate of Analysis

Osmolality (as supplied)

Refer to Certificate of Analysis

pH (as supplied)

Refer to Certificate of Analysis

Sterility

No microbial growth detected

References

- Hanks, J. H. and Wallace, R. E., *PSEBM* (1949) 71:196.

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