

## Hank's Balanced Salt Solution (HBSS)

### Product Use

HBSS is a balanced salt solution to be used in a wide variety of tissue culture applications.

### Formula

<http://www.lonzabioscience.com/Content/Documents/Bioscience/HBSS.pdf>

Component (mg/L)	04-315	08-003	10-508	10-527	10-543	10-547
CaCl <sub>2</sub> •2H <sub>2</sub> O			186	186		
KCl	400	400	400	400	400	400
KH <sub>2</sub> PO <sub>4</sub>	60	60	60	60	60	60
MgSO <sub>4</sub> •7H <sub>2</sub> O			200	200		
NaCl	8000	8000	8000	8000	8000	8000
NaHCO <sub>3</sub>	350	350	350	350	350	350
NaH <sub>2</sub> PO <sub>4</sub> •7H <sub>2</sub> O	90	90	90	90	90	90
Glucose	1000	1000	1000	1000	1000	1000
Phenol Red			20		20	

### Specifications

	Sterility	pH	Osmolality (mOsm)	Toxicity	Endotoxin (EU/ml)
04-315	Neg.	7.14-7.46	270-286	Pass	
08-003	Neg	FIO	FIO	FIO	FIO
10-508	Neg	7.1-7.4	271-293	Pass	FIO
10-527	Neg	7.08-7.40	274-290	Pass	FIO
10-543	Neg	7.14-7.46	270-286	Pass	FIO
10-547	Neg	7.14-7.46	270-286	Pass	FIO

### Storage

15°C to 30°C

### Product Use Statement

**THESE PRODUCTS ARE FOR RESEARCH USE ONLY.** Not approved for human or veterinary use, for application to humans or animals, or for use in clinical or *in vitro* procedures.

### Ordering Information

Catalog Number	Description	Size
04-315Q	HBSS (1X) without calcium, magnesium or phenol red	1 L
08-003A	HBSS (1X) without calcium, magnesium or phenol red	4 L
10-508F	HBSS (1X) with phenol red	500 ml
10-508Q	HBSS (1X) with phenol red	1 L
10-527F	HBSS (1X) without phenol red	500 ml
10-543F	HBSS (1X) without calcium or magnesium, with phenol red	500 ml
10-543Q	HBSS (1X) without calcium or magnesium, with phenol red	1 L
10-547F	HBSS (1X) without calcium, magnesium or phenol red	500 ml

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