



MP Biomedicals, LLC

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200
Toll Free: 800/854-0530
Fax: 440/337-1180
mailto: biotech@mpbio.com
web: <http://www.mpbio.com>

TECHNICAL INFORMATION

Catalog Number: 1810049, 1810054
Hanks' Balanced Salt Solution (1X Solution)

Formulation:

Component	mg/L	Mol. Wt.	Mol. (mM)
Inorganic Salts			
Calcium Chloride [CaCl ₂ 2H ₂ O] Dihydrate	185.50	147	1.26
Magnesium Sulfate [MgSO ₄]	97.70	120.4	0.81
Potassium Chloride [KCl]	400.00	74.55	5.37
Potassium Phosphate Monobasic [KH ₂ PO ₄]	60.00	136.09	0.44
Sodium Bicarbonate [NaHCO ₃]	350.00	84.01	4.17
Sodium Chloride [NaCl]	8000.00	58.44	136.89
Sodium Phosphate Dibasic [Na ₂ HPO ₄]	47.50	141.96	0.33
Other			
Dextrose	1000.00	180.2	5.55
Phenol Red Sodium Salt	17.00	376.4	0.05

Availability:

1X Liquid:

Earle's Balanced Salts (EBS), Modified:

Catalog Number	Description	Size
1800049	1X EBS (Modified)	100 ml
1800054		500 ml
1800254	1X EBS (Modified) without phenol red	500 ml
1800449	1X EBS (Modified), without calcium, magnesium	100 ml

1800454		500 ml
1900154	10X EBS (Modified), without sodium bicarbonate	500 ml
1700122	Powdered, EBS (Modified), without sodium bicarbonate	1 x 10 liter

Phosphate Buffered Saline (PBS):

Catalog Number	Description	Size
1860049	1X PBS	100 ml
1860054		500 ml
1860449	1X PBS without calcium, magnesium	100 ml
1860454		500 ml
1861054	1X PBS with magnesium chloride, without magnesium sulfate	500 ml

Hanks' Balanced Salts (HBS), Modified:

Catalog Number	Description	Size
1810049	1X HBS (Modified)	100 ml
1810054		500 ml
1810254	1X HBS (Modified) without phenol red	500 ml
1810449	1X HBS (Modified), without calcium, magnesium	100 ml
1810454		500 ml
1810554	1X HBS (Modified), without calcium, magnesium, phenol red	500 ml

10X Liquid:

Earle's Balanced Salts (EBS), Modified:

Catalog Number	Description	Size
1900154	10X EBS (Modified), without sodium bicarbonate	500 ml

Phosphate Buffered Saline (PBS):

Catalog Number	Description	Size
1960054	10X PBS	500 ml
1960449	10X PBS without calcium, magnesium	100 ml
1960454		500 ml
1961054	10X PBS with magnesium chloride, without magnesium sulfate	500 ml

Hanks' Balanced Salts (HBS), Modified:

Catalog Number	Description	Size
1910149	10X HBS (Modified) without sodium bicarbonate	100 ml
1910154		500 ml
1910349	10X HBS (Modified) without sodium bicarbonate, phenol red	100 ml
1910654	10X HBS (Modified), without calcium, magnesium, sodium bicarbonate	500 ml

Powders:

Earle's Balanced Salts (EBS), Modified:

Catalog Number	Description	Size
1700122	Powdered, EBS (Modified), without sodium bicarbonate	1 x 10 liter

Phosphate Buffered Saline (PBS):

Catalog Number	Description	Size
1760020	PBS, powder, with calcium, magnesium	10 x 1 liter
1760022		1 x 10 liter

1760420	PBS, powder, without calcium, magnesium	10 x 1 liter
---------	---	--------------

Hanks' Balanced Salts (HBS), Modified:

Catalog Number	Description	Size
1710120	HBS (Modified), powder, without sodium bicarbonate	10 x 1 liter
1710122		1 x 10 liter
1710124		1 x 50 liter

Tablets:

Phosphate Buffered Saline (PBS):

Catalog Number	Description	Size
2810305	PBS tablets, without calcium, magnesium (1 tablet makes 100 ml)	100 tab
2810306		200 tab
2810307		500 tab