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## TECHNICAL INFORMATION

Catalog Number: 1760420, 1760426

### Phosphate Buffered Saline (PBS), Dulbecco's Formula, powder, without calcium, magnesium

Dissolve one packet of powder in 1 L of distilled water. The pH will be in the range of 7.3 - 7.5. If desired, add sodium bicarbonate. The pH can be adjusted as desired using 1N HCl or 1N NaOH. Sterile filter, if desired. Store liquid at 2 - 8°C.

#### Formulation:

Components	mg/L	Mol. Wt.	Mol. (mM)
<b>Inorganic Salts</b>			
Potassium Chloride [KCl]	200.0000	74.55	2.68
Potassium Phosphate Monobasic [KH <sub>2</sub> PO <sub>4</sub> ]	200.0000	136.09	1.47
Sodium Chloride [NaCl]	8000.0000	58.44	136.89
Sodium Phosphate Dibasic [Na <sub>2</sub> HPO <sub>4</sub> ]	1150.0000	141.96	8.10

#### 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
1760426		1 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

**References:**

- Dulbecco, R., Vogt, M., *J. Exp. Med.*, v. **99**, 167 (1954)
- Paul, J., *Cell and Tissue Culture*, Livingstone, LTD., London (1959)