

Buffers and Salt Solutions

Instruction Manual

Product	Size	Catalog Number
HEPES Buffered Saline Solution	30 ml	C-40000
	125 ml	C-40010
	250 ml	C-40020
Dulbecco's PBS	500 ml	C-40230
Dulbecco's PBS, w/o Ca ⁺⁺ / Mg ⁺⁺	500 ml	C-40232

Description

Buffers and Salt Solutions are frequently used in tissue culture, cell isolation procedures and molecular biology. For convenience, PromoCell offers ready-to-use Buffers and Salt Solutions. They are prepared from raw materials of the highest quality using tissue culture grade water.

Storage and Stability

Store HEPES Buffered Saline Solution at -20°C immediately after arrival.

Dulbecco's PBS should be stored at 4 to 8°C and should not be frozen. If stored properly, the product is stable until the expiry date stated on the label.

Quality Control

All lots of PromoCell buffers and salt solutions are subjected to comprehensive quality control tests. Each lot is routinely tested for absence of cytotoxicity, and physical parameters such as osmolality and pH level. Approved in-house lots are used as a reference.

In addition, all lots have been tested for the absence of microbial contaminants (fungi, bacteria).

Intended Use

The products are for *in vitro* research use only and not for diagnostic or therapeutic procedures. For safety precautions please see appropriate MSDS.

	HEPES-BSS C-40000 C-40010 C-40020
Concentration [g/l]	

■ Inorganic Salts

CaCl ₂ anhydrous	-
KCl	0.22
MgSO ₄ x 7H ₂ O	-
NaCl	7.7
NaHCO ₃	-
Na ₂ HPO ₄	0.14
NaH ₂ PO ₄ x H ₂ O	-

■ Other Components

D-Glucose	1.8
HEPES	7.15
Phenol Red	0.001

	Dulbecco's PBS C-40230	Dulbecco's PBS C-40232
Concentration [g/l]		w/o Ca ⁺⁺ /Mg ⁺⁺

■ Inorganic Salts

CaCl ₂ x 2H ₂ O	0.132	-
KCl	0.2	0.2
KH ₂ PO ₄	0.2	0.2
MgCl ₂ x 6H ₂ O	0.1	-
NaCl	8	8
Na ₂ HPO ₄	1.15	1.15