

DULBECCO PHOSPHATE-BUFFERED SALINE (PBS)

	Material	Amount	Amount	Preparation
		1x	10x	
Unit A	NaCl	8.0 gm	80.0 gm	Dissolve in 800 ml dist. water
	KC l	0.2 gm	2.0 gm	
	Na <sub>2</sub> HPO <sub>4</sub>	1.15 gm	11.5 gm	
	KH <sub>2</sub> PO <sub>4</sub>	0.2 gm	2.0 gm	
Unit B	CaCl <sub>2</sub>	0.1 gm	1.0	Dissolve in 100 ml dist. H <sub>2</sub> O
	or CaCl <sub>2</sub> · 2 H <sub>2</sub> O	.12 gm	1.2	
Unit C	MgCl <sub>2</sub> · 6H <sub>2</sub> O	0.1 gm	1.0 gm	Dissolve in 100 ml dist. H <sub>2</sub> O

Autoclave Units #A,B,C separately (prevents precipitation) and mix when cooled. Phenol Red may be added at .001%

★ To make 1X D's PBS from 10X reagents, use 80 ml of solution "A" 10X, Dilute with 800 ml dist H<sub>2</sub>O. Add 10 ml of solution "B" 10X, Stirring fast to avoid precipitation. Add 10 ml of "C" 10X, Bring up to 1 liter with d. H<sub>2</sub>O.

1 x D's PBS has pH 7.5, conductivity 15,500 omhs

7/73	7.4	14,200
11/5	7.4	13,800
11/21	7.4	14,200
12/4	7.41	15,000
12/26	7.4	13,800
1/9	7.4	14,400
1/15	7.35	14,000
2/20	7.35	14,800

★ Can be prepared without precipitation of Ca<sup>++</sup> by diluting 10 ml of "B" and "C" to 800 ml, and then adding 80 ml of Sol "A" with stirring. QS. to 1000 ml