RECETTES PBS ET PBT

1x Dulbecco's Phosphate-Buffered Saline solution :

1. Dissolve the following in 800ml distilled H_2O
    - 8.0 g of NaCl (**8.75 g** is about 150 mM Na^+, other recipes 8.0-9.0g)
    - 0.2g of KCl
    - 1.44g of $Na_2HPO_4 \cdot 2H_2O$ (1.15g anhydrous Na_2HPO_4 : 8.1 mM PO_4^{3-})
    - 0.2g of KH_2PO_4 (**0.24g** is 1.9 mM PO_4^{3-})
    - Optional: 0.13g of $CaCl_2 \cdot 2H_2O$ and 0.1g of $MgCl_2 \cdot 6H_2O$.
        - Adjust pH to 7.2 - 7.4 with NaOH or HCl.
2. Adjust volume to 1L with additional distilled H_2O.
3. Sterilize by autoclaving or microfiltering.

"You will probably hear dozens of different formulations each with its own fans. Basically you need .01M phosphate and .154M sodium chloride at ph7.2-7.5 or thereabouts." - Jackie E. Kylander <jek at med.unc.edu>

Reagents for varying volumes of ten times (10x) stock solution of PBS

Reagents	Total volume	
	1 Litre	**2 Litres**
NaCl	80.0g	160.0g
KCl	2.0g	4.0g
KH_2PO_4	2.0g	4.0g
One of the following		
$Na_2PO_4.2H_2O$	14.4g	28.8g
OR Na_2HPO_4 anhydrous	11.5g	23.0g

Optional:

$CaCl_2 \cdot 2H_2O$	1.33g	2.66g
$MgCl_2 \cdot 6H_2O$	1.0g	2.0g

PBT:

PBS + 0.1% Tween-20 : make up a stock 10% Tween-20 solution in a 50ml conical tube with 5 ml Tween-20 in the bottom and top it up with ddH_2O. This is 100x strength for making PBT.