Immunocytochemistry Solutions

PBS 10x	**1 L**	**500 ml**
Potassium Chloride	2 g	1 g
Potassium Dihydrogen orthophosphate	2 g	1 g
Sodium Chloride	80 g	40 g
Disodium hydrogen orthophosphate	21.6 g	10.53 g

pH to 7.4 after dilution to 1 x

Sodium Citrate Buffer (SSC) 20x	**500 ml**	**250 ml**
Sodium Chloride	88 g	44 g
Trisodium Citrate	44 g	22 g

pH solution to 7.2

Antibody Buffer	**100 ml**	**25 ml**
SSC 20x	5 ml	1.25 ml
2% Goat Serum	2 ml	0.5 ml
1% BSA	1 g	0.25 g
0.05% Triton-X100	50 ul	12.5 ul
0.02% Sodium Azide	0.02 g	0.005 g
Distilled Water	87.95 ml	21.9875 ml

pH to 7.4

Glycine Buffer	**500 ml**	**250 ml**
Glycine	3.75 g	1.875 g

pH to 7.4

Antibody wash solution	**500 ml**	
SSC 20x	25 ml	
0.05% Triton-X100	0.25 ml	
Distilled Water	474.75 ml	

Paraformaldehyde Fixative	**100 ml**	**20 ml**
Paraformaldehyde	2 g	0.4 g
PBS 1x	100 ml	*

* 10 ml H_20 + 3-5 drops 10 N NaOH + 2 ml 10x PBS + 8 ml H_20 then filter then pH 7.4

Add 2 drops of Sodium Hydroxide (10 N) or more until the solution begins to clear. You may need to heat to ~50oC. Do not heat above this! Filter through Watman no. 1 pH to 7.4 after the fix is dissolved (best to have a separate pH probe used only for fixative solutions). Use mask and gloves to handle paraformaldehyde.

Permeabilization Solution fix day	**100 ml**	**5 ml**
Triton-X100	0.1 m	0.005 ml
PBS 10X	10 ml	5 ml 1x PBS
Distilled water	90 ml	