



KIDDRC
Histology Services
Protocols

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Indirect Immunofluorescence (Solutions)

Solutions:

PBST 0.01M Phosphate buffer with 0.9% NaCl, pH7.5, with 0.3% Triton X-100; 359mOsm

0.221 g monobasic sodium phosphate ($\text{NaH}_2\text{PO}_4 \cdot \text{H}_2\text{O}$)
2.251 g dibasic sodium phosphate (Na_2HPO_4)
9.000 g sodium chloride (NaCl)

Add double distilled water to just under 1 liter.

Stir and add:

3.000mL Triton X-100 (Sigma)
adjust pH to 7.5 (If >7.5 , add 1 N HCL; if <7.5 , add 10N NaOH)

Filter

Store at 4°C (up to 1 week)

Blocking serum 1% BSA, 5% serum in PBST

9.5 mL PBST
100mg bovine serum albumin
0.5mL serum (goat, donkey, etc.)

Store at 4°C (up to 1 week)

Antibody diluent with block

19 mL PBST
10 mg sodium azide (=0.2 mL of a 5% solution) * carcinogen
1 mL serum (goat, donkey, etc)

Store at 4°C (up to 1 week)