Solutions:

**PBST**  
0.9% NaCl, pH 7.5, with 0.3% Triton X-100; 359 mOsm

- 0.221 g monobasic sodium phosphate (NaH$_2$PO$_4$ * H$_2$O)
- 2.251 g dibasic sodium phosphate (Na$_2$HPO$_4$)
- 9.000 g sodium chloride (NaCl)

Add double distilled water to just under 1 liter.

**Stir and add:**

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

**Filter**

Store at 4°C (up to 1 week)

**Blocking serum**  
1% BSA, 5% serum in PBST

- 9.5 mL PBST
- 100 mg bovine serum albumin
- 0.5 mL 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)