J.K.

6350L Fluorescent Immunohistochemistry Protocol 9/17/22

20% PFA (50mL)

$$20\% = \frac{20\,g}{100\,mL} = \frac{x\,g}{50\,mL} \Rightarrow \boxed{x = 10\,g}$$

4% PFA (50mL)

$20\% \times mL = 4\%\ 50mL \Rightarrow \boxed{x = 10mL}$

20% Tween-20 (50mL)

- Measure <50mL of 1x PBS into 50mL conical tube
- Add 10g (if solid) or (10mL (if liquid)) of Tween-20.

Note!
- From 20% calculation above

PBST (1L)

- Measure ~~500~~ 100mL of 10x PBS into 500mL G.C.
- Add 1mL of 20% tween-20 (aq.)
  - ↳ 0.1% of PBST is tween-20.
  - ↳ $0.001 \times 1000\,mL = 1\,mL$

2.5 M Glycine stock (50mL)

- Can measure >50 mL H_2O to dissolve glycine in.
- $2.5\,M_{stock} = \frac{2.5\,mol}{1\,L} = \frac{x\,mol}{.050\,L} \Rightarrow x\,mol = 0.125\,mol$
- $0.125\,mol \times 75.07\,g/mol = \boxed{9.38\,g}$ → MW of glycine
- Bring to Volume: 50 mL.

100 mM Sodium Citrate Stock 500mL

- $100\,mM = \frac{0.1\,mol}{1\,L} = \frac{x\,mol}{0.500\,L} \Rightarrow x\,mol = 0.05\,mol$
- $0.05\,mol \times 258.06\,g/mol = \boxed{12.9\,g}$