**1x FACSLyse Solution**  
(Greg A. Perry, Ph.D.)

**Reagents:**

- 250 mg Sodium Citrate
- 2.7 ml Formaldehyde (37%)
- 3.0 ml Diethylene Glycol (DEG)
- 94.3 ml Distilled Water

**Method:**

1) Dissolve sodium citrate in distilled water.  
2) Add formaldehyde and mix.  
3) Add diethylene glycol. DEG may be difficult to get into solution, so mix well.

**To Use:**

1) Add 2ml of 1x FACSLyse solution to 100µl of whole blood.  
2) Vortex gently, and incubate 10 minutes at room temperature in the dark.  
3) Centrifuge and wash twice with PBS.

**Notes:**

- B/D’s FACSLyse reagents contains 37 mg of Tetrasodium EDTA in every 100 ml of its 1x stock, however it does not seem to be required.  
- If using in conjunction with staining for flow cytometry, cells should be stained and washed prior to lysing. The lysing step should be done last, just before resuspending cells in FACSFix.