

10% Saponin Stock
(Greg A. Perry, Ph.D.)

Reagents:

50 ml PBS (pH=7.4)
5 gm Saponin

Method:

- 1) Heat PBS to 37°C.
- 2) Add saponin and mix.
- 3) Sterile filter.
- 4) Store mixture at 4°C.

To Use:

- 1) Make a 1x working solution by diluting 10x FACSLyse solution with distilled water.
 - a. For example, add 1ml 10x stock to 9 ml distilled water.
- 2) Add 2ml of 1x working solution to 100µl of whole blood.
- 3) Vortex gently, and incubate 10 minutes at room temperature in the dark.
- 4) Centrifuge and wash twice with PBS.

Notes:

- Saponin solution will be brown.
- Saponin is difficult to get into solution, and you may not be able to sterile filter. If you can't sterile filter, add 0.1% sodium azide as a preservative.