



Protocol for using Bulk-Supplied Smart Tube Proteomic Stabilizer PROT1 to Bank Whole Blood Samples  
Protocol Number: STP1TF-120101B

Required buffers:

Smart Tube Proteomic Stabilizer 1  
Buffer should be at room temperature

Sample Stabilization Protocol:

1. Add 1.4ml of Stabilizer per ml of blood
2. Incubate at room temperature for 10 minutes
3. Sample is now stabilized and can be frozen at  $-80^{\circ}\text{C}$  and banked or directly processed for same-day analysis --- refer to " ST THAW Protocol STTLTF-130528B" for subsequent sample thawing and erythrocyte lysis.

Notes

It is recommended that the duration of incubation at room temperature be consistent across samples in a study.

If the samples cannot be frozen promptly or immediately processed by the method in "Smart Tube Thaw and Lysis Protocol" then it is recommended that after Step #2 the samples be immediately transferred to  $4^{\circ}\text{C}$ . Prolonged incubation at room temperature may make erythrocyte lysis more difficult. Incubation at  $4^{\circ}\text{C}$  has been shown to give results comparable to prompt sample processing and minor differences in incubation time at  $4^{\circ}\text{C}$  have been shown to have little effect on measured analytes. However, the influence of prolonged incubation at  $4^{\circ}\text{C}$  should be user validated, especially for incubation times exceeding 8 hours.

**Shipping Note: Stabilized samples should be stored at  $-80^{\circ}\text{C}$ , shipped on dry ice and stored at  $-80^{\circ}\text{C}$  upon receipt.**

**DO NOT SHIP OR STORE SAMPLES AT  $-20^{\circ}\text{C}$**