SOPS for General Surgery Labs:

Title: Tissue Factor Assay

Date: 6-2012

Last Updated: Unknown

REAGENTS:

2% Tween 20: 1ml of Tween 20 → 50ml with sterile water

Tris/HCl: pH **7.4** 50mM/L

	50ml	200ml	100ml	500ml
Trizma HCl	.286g	1.144g	.572g	2.86g
Trizma Base	.083g	.332g	.166g	.83g
2% Tween 20	.250ml	1.00ml	.500ml	2.500ml
Sterile H_2O	49.750ml	199.00ml	99.500ml	497.500ml

Tris/HCl: pH **8.6** 50mM/L

	50ml	200ml	100ml	500ml
Trizma HCl	.0915g	.366g	.183g	.915g
Trizma Base	.2325g	.930g	.465g	2.325g
2% Tween 20	.250ml	1.00ml	.500ml	2.500ml
Sterile H_2O	49.750ml	199.00ml	99.500ml	497.500ml

$CaCl_2$: 50mM/L FW: 147.0

147g = 1L = 1000mM (1M)
1.47g = 1L = 10mM
1.47g x 5 = 1L = 50mM
7.35g = 1L = 50mM
.735g = 100ml = 50mM
.0735g = 10ml = 50mM

So take .0735g of $CaCl_2$ → 10 ml dilute with Tris/HCl **pH 7.4**

EDTA: 25mM/L FW: 372.2

372.2g = 1L = 1000mM (1M)

3.72g = 1L = 10mM
3.72g x 2.5 = 1L = 25mM
9.3g = 1L = 25mM
.93g = 100ml = 25mM
.093g = 10ml = 25mM

So take .093g of EDTA → 10ml with Tris/HCl **pH 7.4**

Spectrozyme Fxa : 5uM/vial 5mM/L conc.

Reconstitute vial with 1ml of DiH_2O (can use sterile Baxter water)
Stored @ room temperature good for 2 weeks
Stored @ 4°C good for 2 months
Stored @ -20°C good for 6 months * Aliquot if freezing Do Not freeze/thaw

Factor Xa (Standard): 1.5U/vial want 2U/ml

1.5U
2.0U/ml = .75ml Add .75ml to vial which gives you 2U/ml