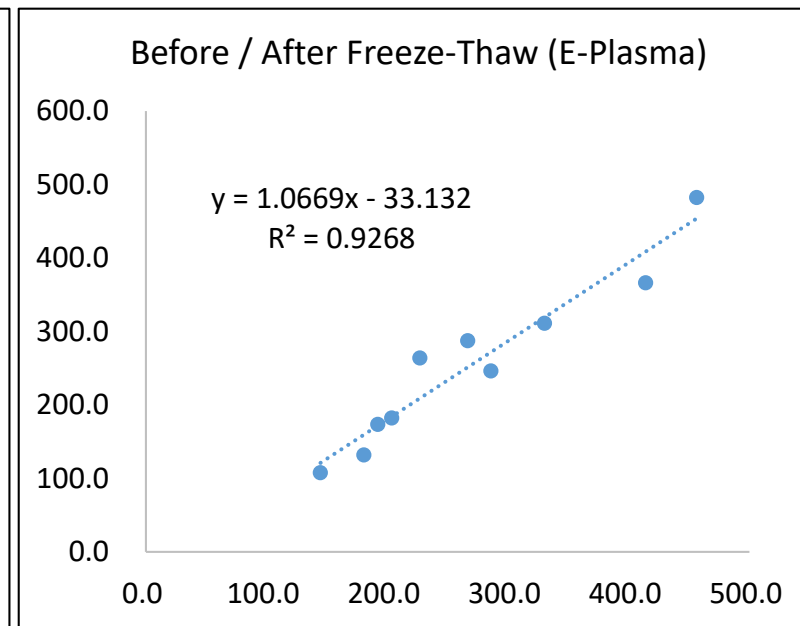
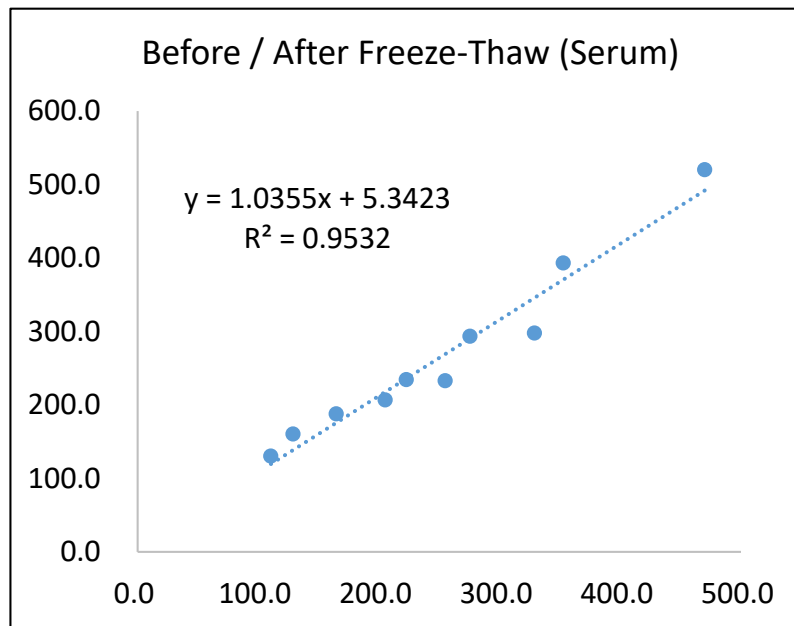


(pg/mL)	Freeze-thaw 0time	Freeze-thaw time	Ratio 1 time / 0 time
Serum1	187.8	164.6	87.7%
Serum2	160.3	128.8	80.4%
Serum3	234.4	222.7	95.0%
Serum4	206.6	205.2	99.3%
Serum5	297.7	328.9	110.5%
Serum6	232.9	254.9	109.4%
Serum7	293.3	275.5	93.9%
Serum8	520.1	470.0	90.4%
Serum9	393.1	352.7	89.7%
Serum10	130.3	110.4	84.7%
E-Plasma1	173.3	192.2	110.9%
E-Plasma2	131.7	180.6	137.2%
E-Plasma3	246.1	285.9	116.2%
E-Plasma4	182.0	203.7	112.0%
E-Plasma5	311.0	330.4	106.2%
E-Plasma6	263.7	227.1	86.1%
E-Plasma7	287.3	266.7	92.8%
E-Plasma8	482.1	456.4	94.7%
E-Plasma9	366.2	414.2	113.1%
E-Plasma10	107.6	144.6	134.4%

\*E-Plasma =EDTA-Plasma

### Stability Test - Freeze and Thaw



The correlation of before / after Freeze-Thaw of Serum looks better than EDTA-Plasma.

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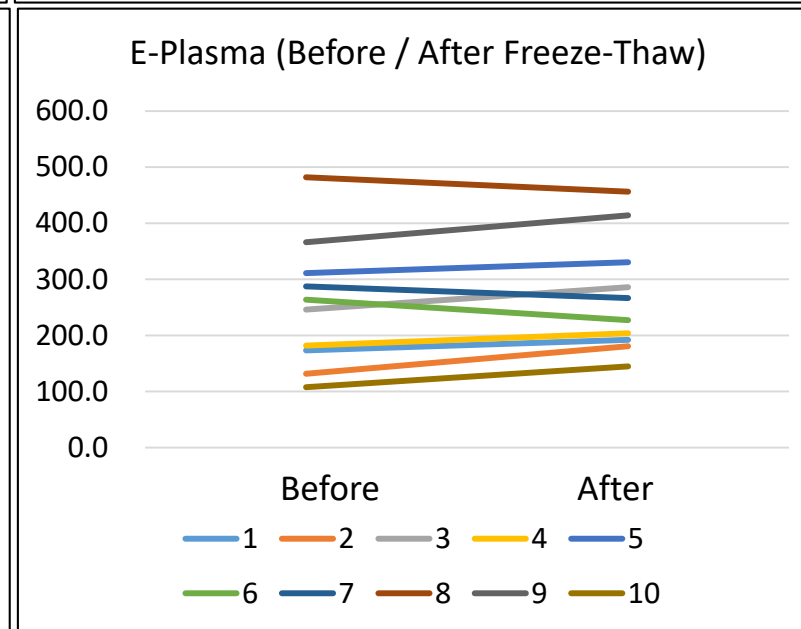
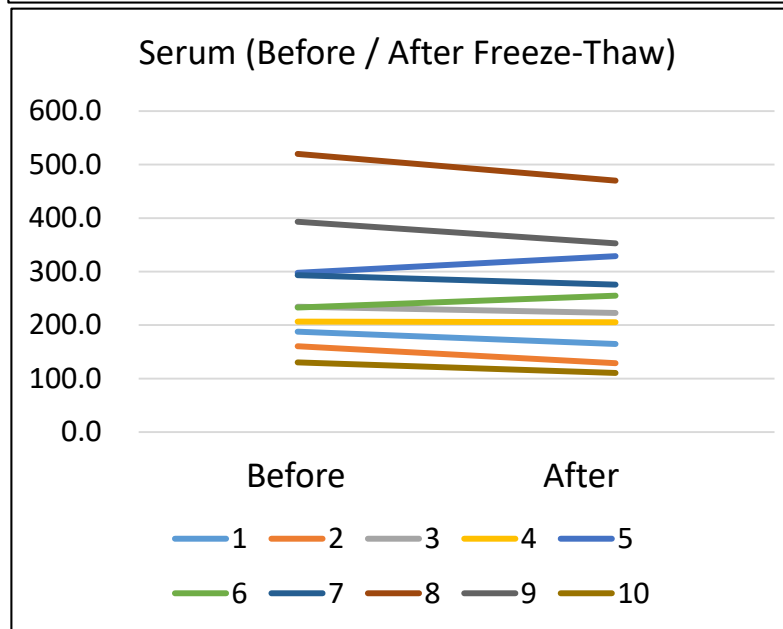
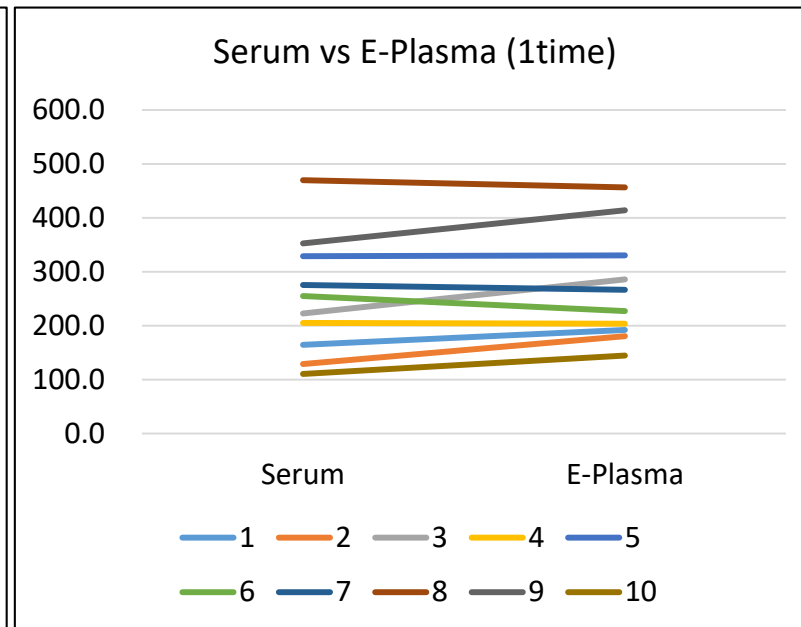
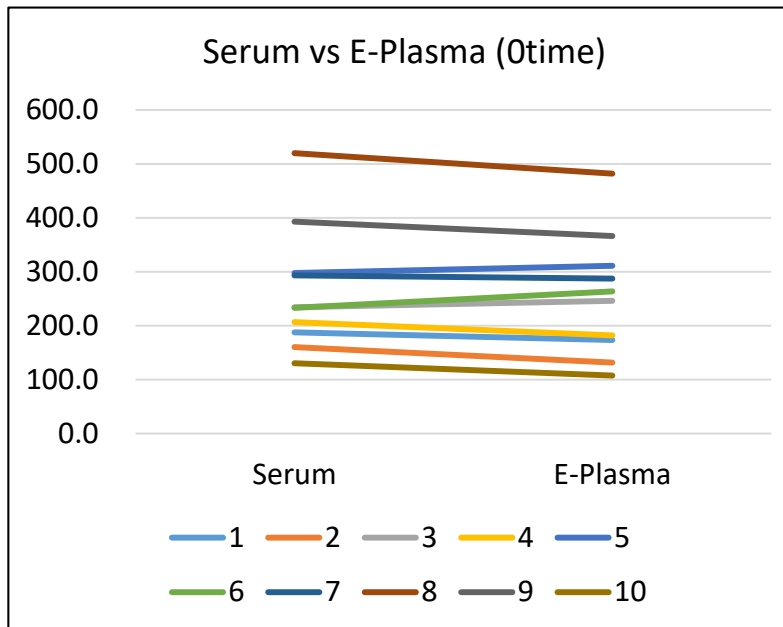
Immuno-Biological Laboratories, Inc.  
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Email: info@IBL-America.com  
Web: www.IBL-America.com



(pg/mL)	Freeze-thaw 0time	Freeze-thaw time	Ratio 1 time / 0 time
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\*E-Plasma =EDTA-Plasma

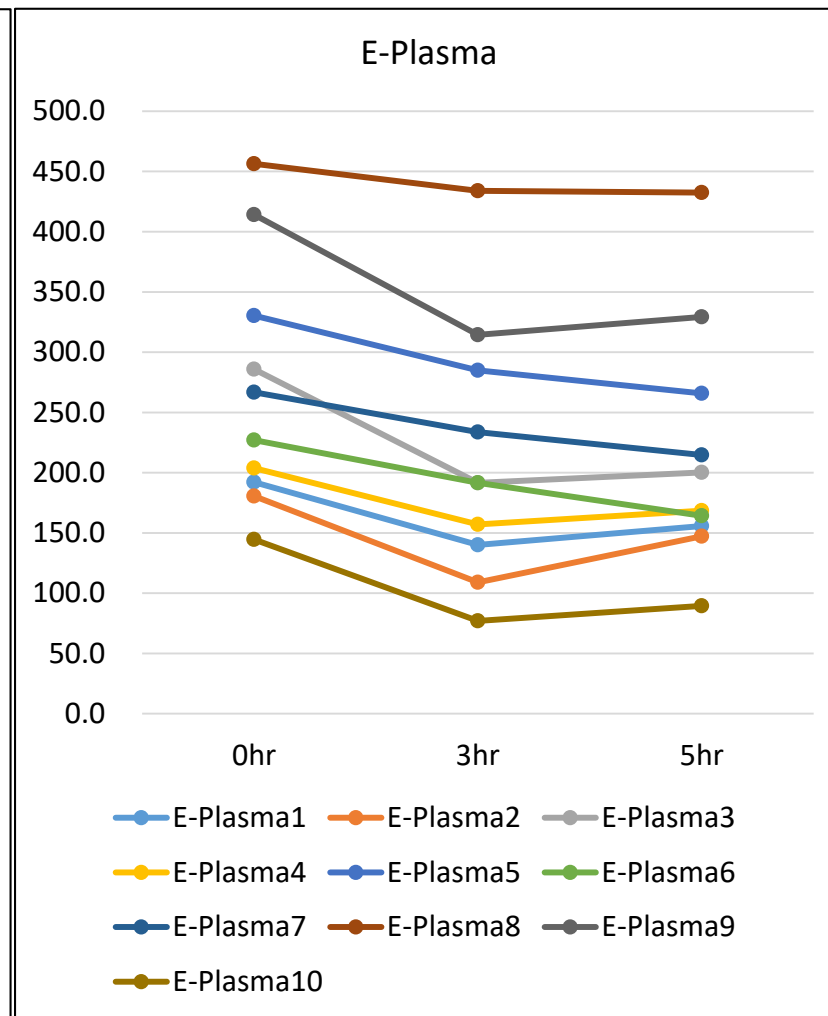
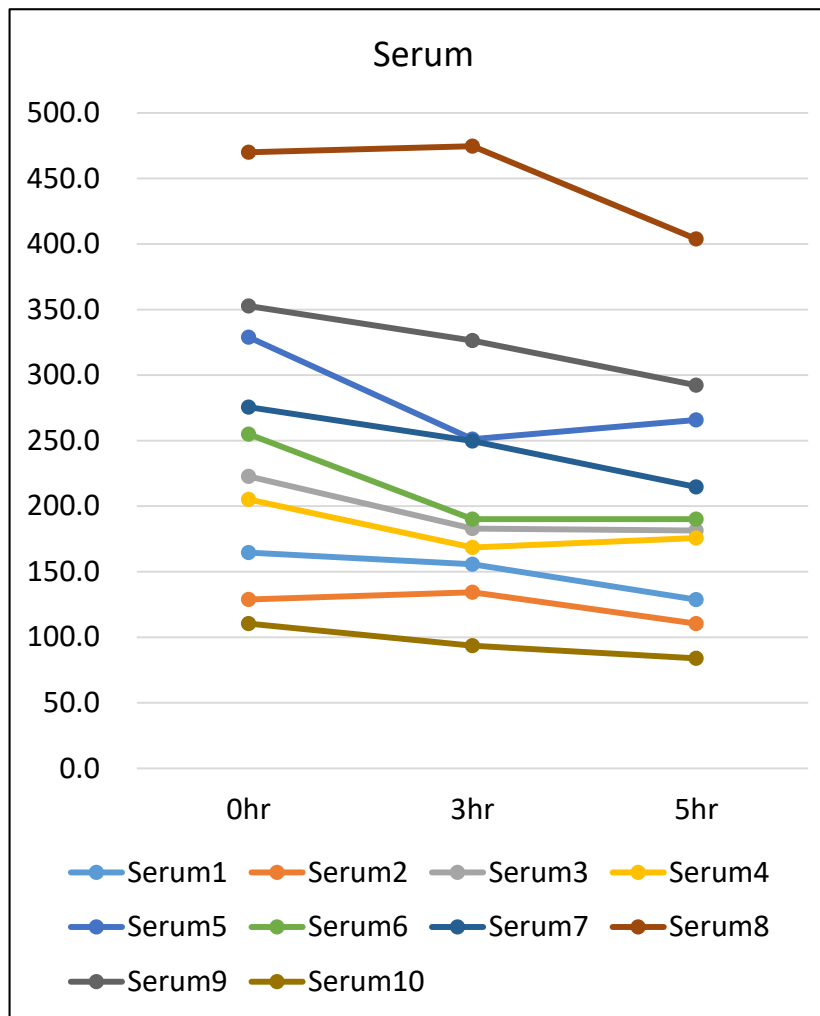


A little variability can be seen for both serum and EDTA-plasma after freeze-thaw.

### Sample Stability Test – Left Samples at Room Temperature (Comparison of Degradation)

(pg/mL)

	0hr	3hr	5hr
Serum1	164.6	155.7	128.7
Serum2	128.8	134.4	110.4
Serum3	222.7	182.9	181.5
Serum4	205.2	168.5	175.7
Serum5	328.9	251.1	265.8
Serum6	254.9	190.1	190.1
Serum7	275.5	249.7	214.7
Serum8	470.0	474.7	403.9
Serum9	352.7	326.3	292.3
Serum10	110.4	93.6	83.9
E-Plasma1	192.2	140.0	155.7
E-Plasma2	180.6	109.0	147.2
E-Plasma3	285.9	191.5	200.2
E-Plasma4	203.7	157.1	168.5
E-Plasma5	330.4	284.9	265.8
E-Plasma6	227.1	191.5	164.2
E-Plasma7	266.7	233.6	214.7
E-Plasma8	456.4	433.9	432.4
E-Plasma9	414.2	314.4	329.3
E-Plasma10	144.6	77.0	89.4



\*E-Plasma =EDTA-Plasma

Obvious degradation for both serum and EDTA-plasma were observed after 3 hours left at room temperature. Degradation of EDTA-Plasma can be seen in 3 hours while serum is continuously degraded even after 3 hours. \*Degraded serum samples value is approx. 50% of EDTA-Plasma.