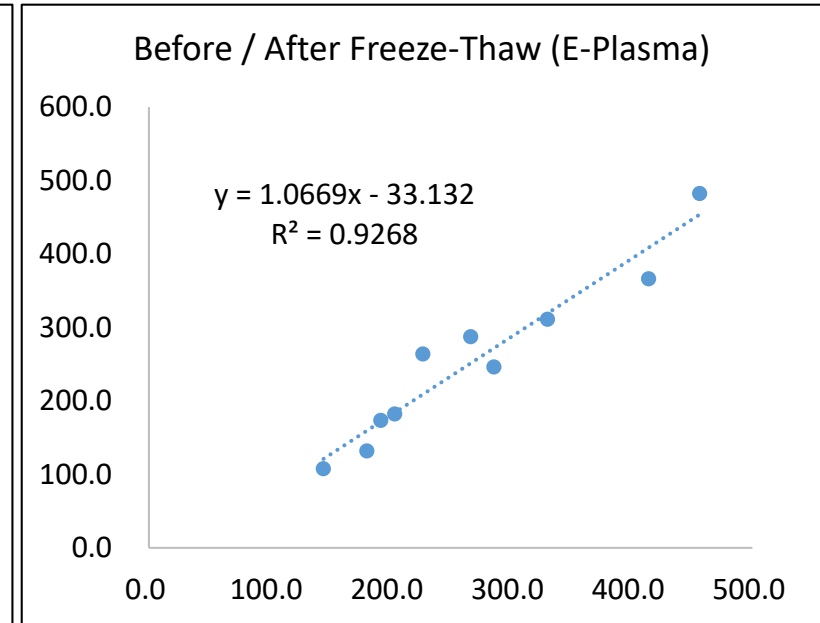
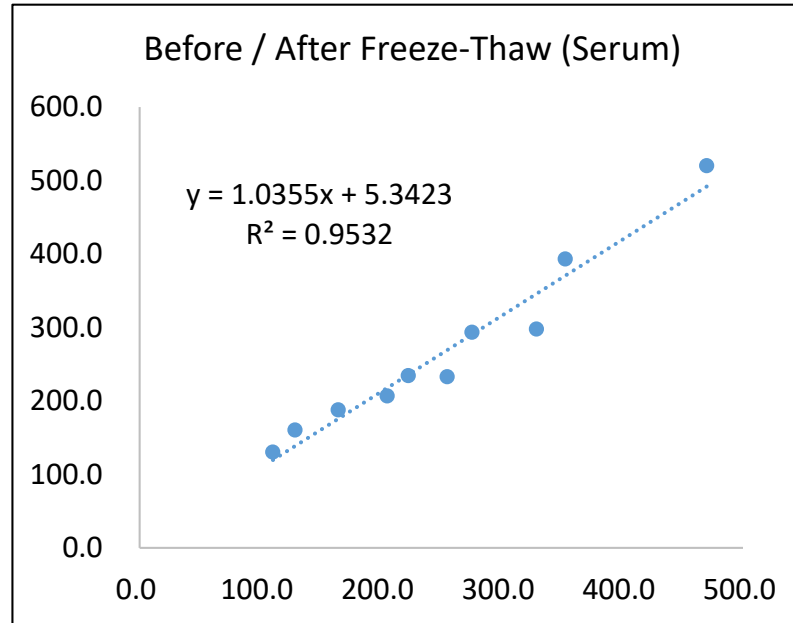


| (pg/mL)    | Freeze-thaw<br>0time | Freeze-thaw<br>time | Ratio<br>1 time / 0 time |
|------------|----------------------|---------------------|--------------------------|
| Serum1     | 187.8                | 164.6               | 87.7%                    |
| Serum2     | 160.3                | 128.8               | 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%                   |

### Stability Test - Freeze and Thaw

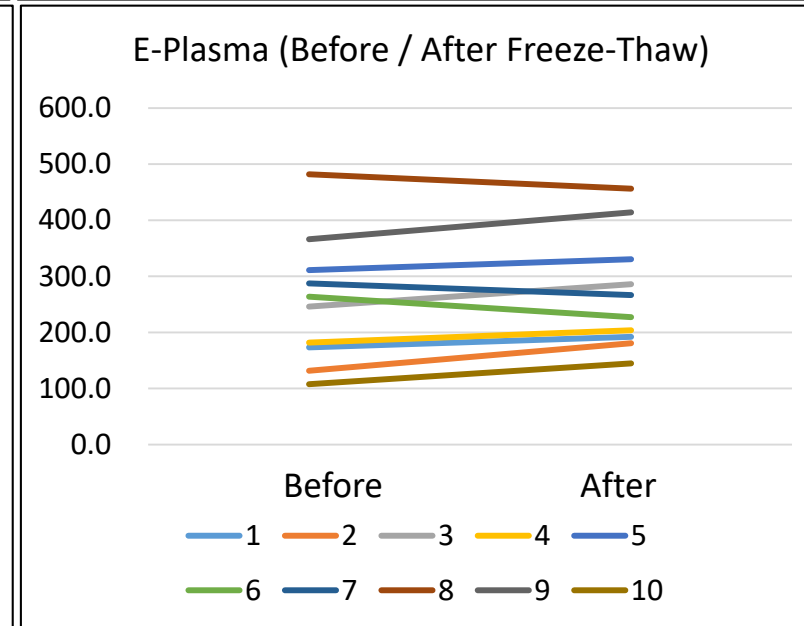
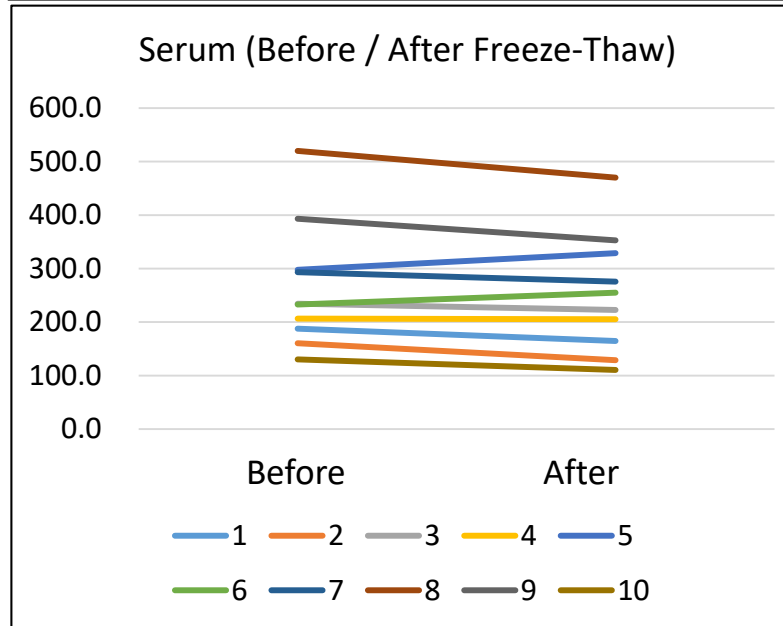
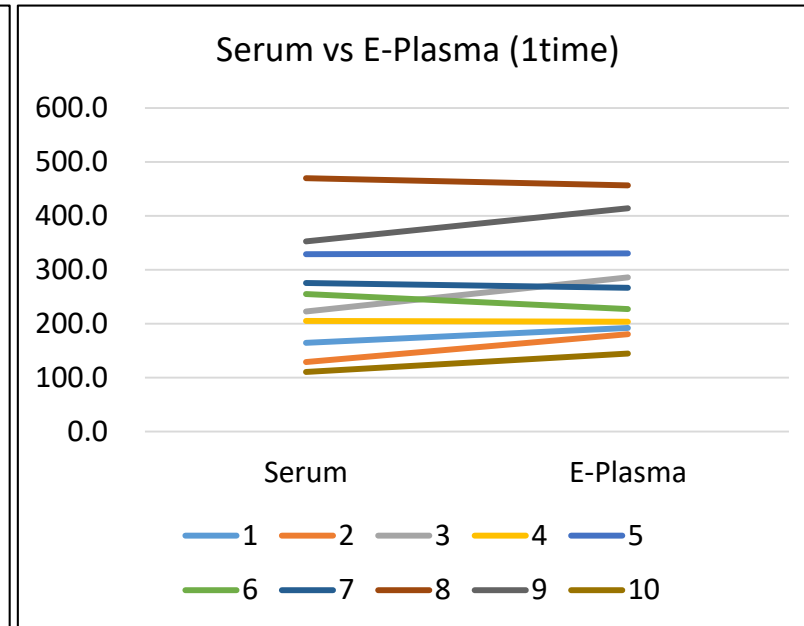
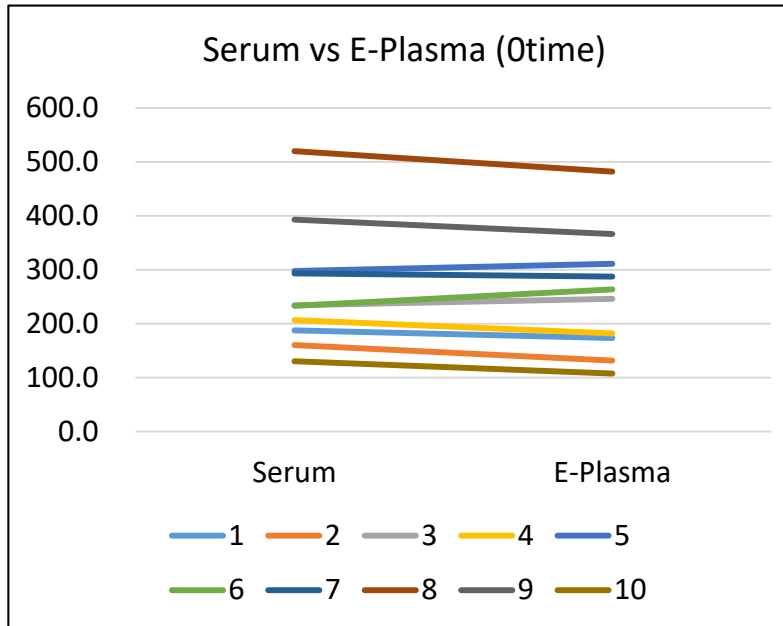


The correlation of before / after Freeze-Thaw of Serum looks better than EDTA-Plasma.

\*E-Plasma =EDTA-Plasma



| (pg/mL)    | Freeze-thaw<br>0time | Freeze-thaw<br>time | Ratio<br>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%                   |



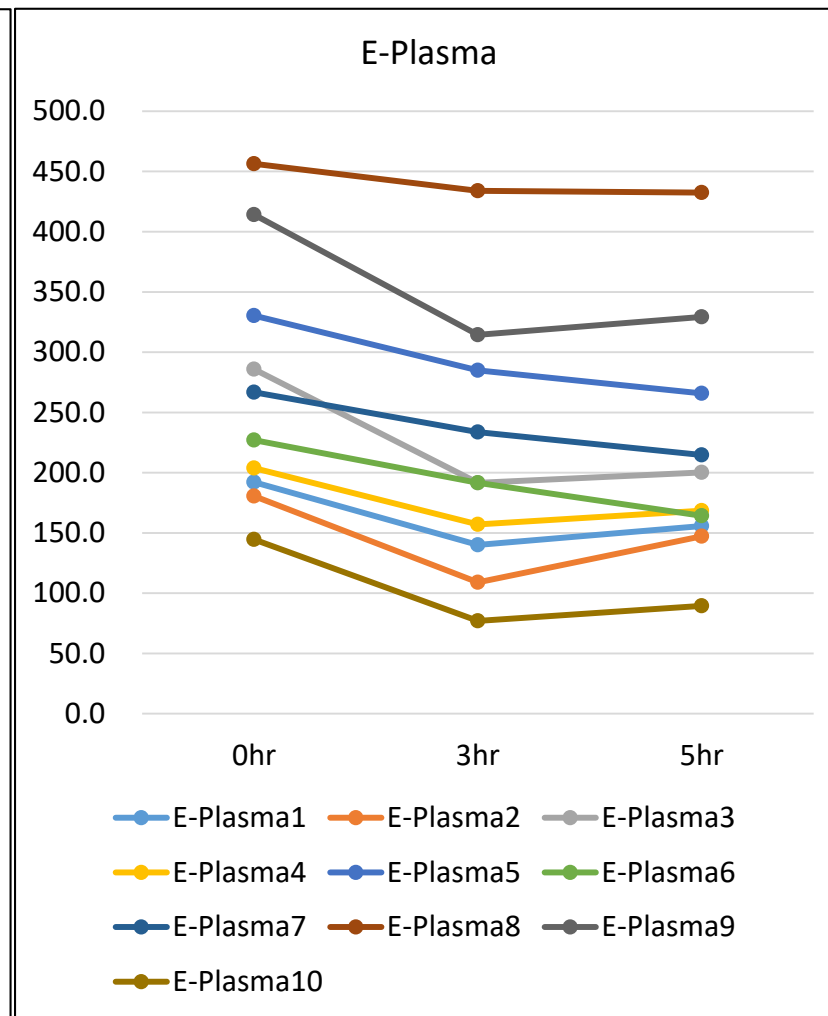
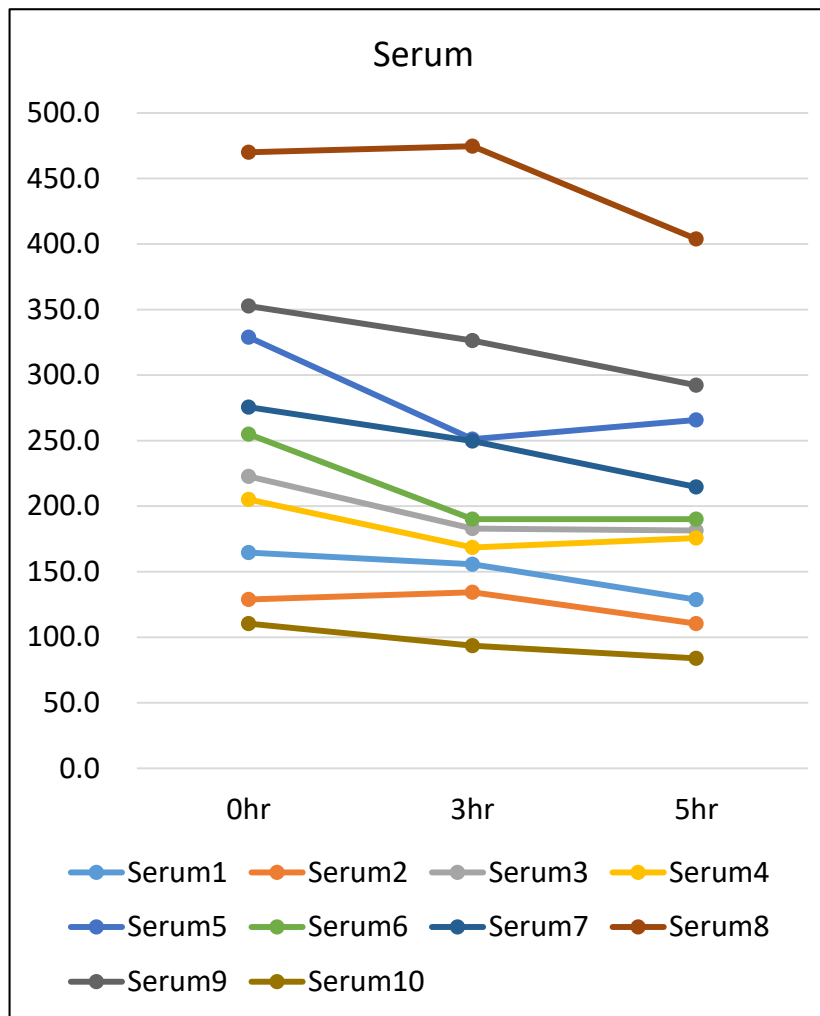
\*E-Plasma =EDTA-Plasma

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.