

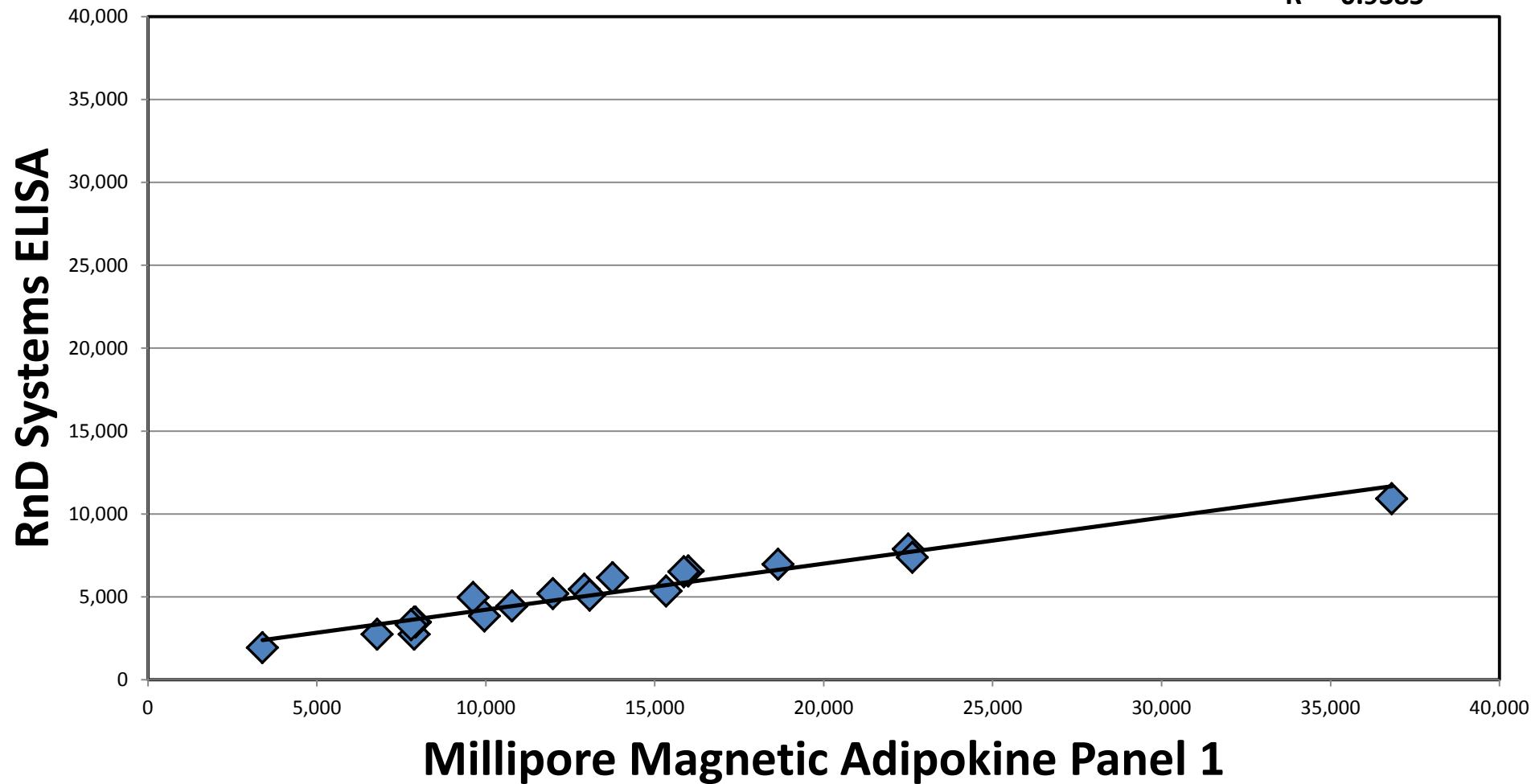
Units:	ng/mL	ng/mL
Assay Name	Magnetic Adipokine Panel 1: Adiponectin	Adiponectin
Catalog Number	HADK1MAG-61K	DRP300
Other Analytes On Multiplex	Lipocalin-2/NGAL, Resistin, Adipsin, PAI-1 Total	N/A
Volume Required Per Replicate	2.00uL	10.00uL
Typical Dilution	1:300	1:100
Manufacturer Defined Minimum Detectible Concentration	(0.01* Dilution) = 3.00 ng/mL	(0.246*Dilution) = 24.60 ng/mL
UVM Run Date	9/4/2015	1/20/2016
SCS081611: 1	9,624.586	4,962.620
SCS081611: 2	15,987.590	6,560.789
SCS081611: 3	9,961.394	3,847.597
SCS081611: 4	7,884.295	2,746.776
SCS081611: 5	18,649.252	6,957.938
SCS081611: 6	15,334.505	5,351.280
SCS081611: 7	36,812.390	10,916.489
SCS081611: 8	22,503.832	7,872.025
SCS081611: 9	12,912.367	5,461.787
SCS081611: 10	7,916.214	3,475.221
SCS081611: 11	10,776.575	4,440.907
SCS081611: 12	15,861.977	6,514.864
SCS081611: 13	13,755.160	6,156.030
SCS081611: 14	3,388.410	1,929.270
SCS081611: 15	7,882.419	3,467.626
SCS081611: 16	7,789.845	3,308.155
SCS081611: 17	13,077.000	5,103.612
SCS081611: 18	22,627.759	7,374.496
SCS081611: 19	11,985.642	5,191.162
SCS081611: 20	6,782.873	2,735.392
Average	13,575.704	5,218.702

Notes:

Serum Adiponectin (Total): Millipore vs. RnD ELISA

$$y = 0.2774x + 1452.8$$

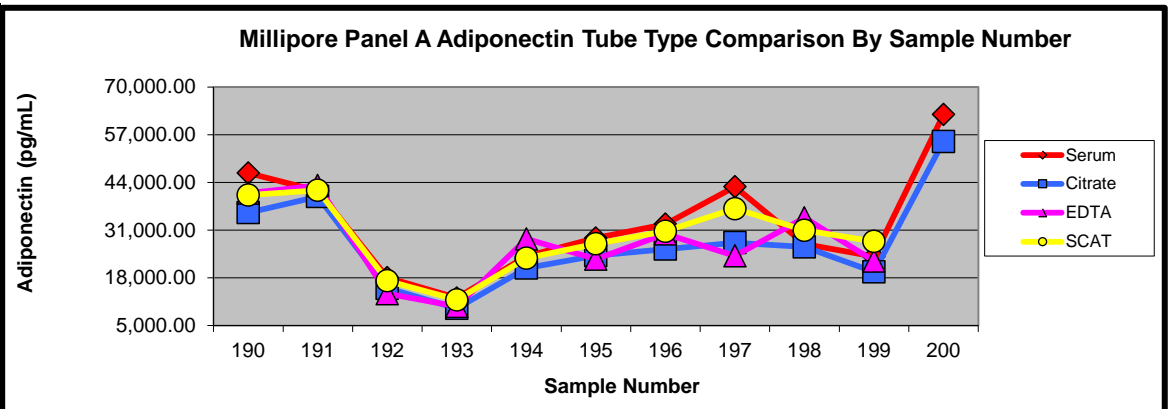
$$R^2 = 0.9385$$



**Millipore Panel A
Adiponectin**

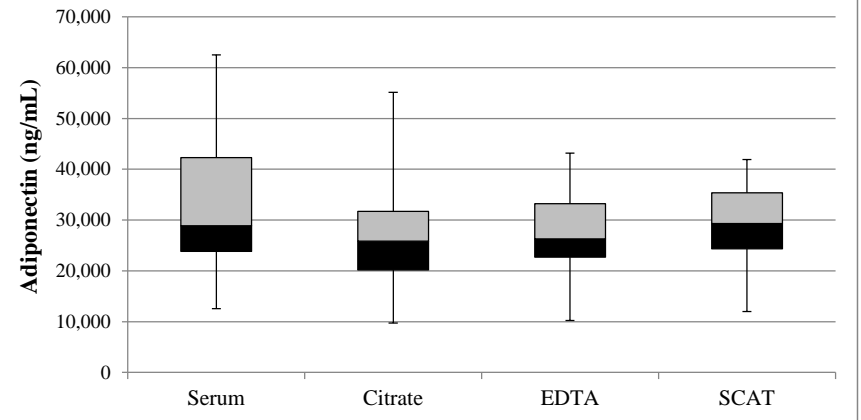
Tube Type and Freeze Thaw Comparison

Sample Number	Serum	Citrate	EDTA	SCAT
190	46,569.60	35,790.64	41,064.32	40,551.66
191	41,687.56	40,146.90	43,157.47	41,893.70
192	18,052.58	15,147.95	13,704.07	17,205.90
193	12,543.15	9,691.57	10,222.27	12,008.68
194	23,912.23	20,718.66	28,574.10	23,337.21
195	28,861.33	24,073.18	23,076.28	27,319.71
196	32,646.68	25,844.54	29,974.39	30,688.00
197	42,851.81	27,590.60	23,990.77	36,844.79
198	27,193.61	26,453.61	34,337.28	30,974.70
199	23,771.33	19,660.49	22,593.85	27,931.66
200	62,512.01	55,154.56		
Average	32,781.99	27,297.52	27,069.48	28,875.60
Sample Type Average	29,006.15			
Sample Type Stdev	2,642.23			
Sample Type CV%	9.11			

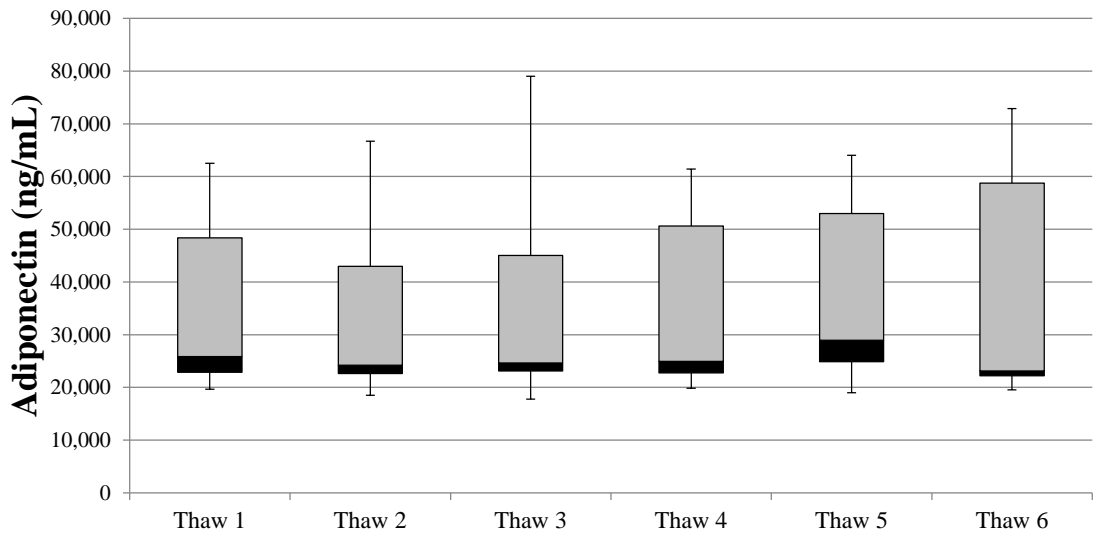


Sample Number	Thaw 1	Thaw 2	Thaw 3	Thaw 4	Thaw 5	Thaw 6
199 Serum	23,771.33	23,047.45	24,511.33	24,909.19	23,991.32	23,671.95
199 Citrate	19,660.49	18,471.36	17,756.35	19,850.20	18,974.73	19,520.19
199 EDTA	22,593.85	22,519.50	22,628.82	22,063.32	27,615.62	22,558.87
199 SCAT	27,931.66	25,403.30	24,695.48	24,990.28	30,218.31	22,067.71
200 Serum	62,512.01	66,700.84	79,060.27	61,408.00	60,541.15	70,406.36
200 Citrate	55,154.56	48,852.56	51,810.55	59,171.38	64,018.27	72,916.49
Average	35,270.65	34,165.83	36,743.80	35,398.73	37,559.90	38,523.60
Freeze/Thaw Average	36,277.09					
Freeze/Thaw Stdev	1,621.85					
Freeze/Thaw CV%	4.47					

Adiponectin Draw Tube Type Box Plots



Adiponectin Freeze-Thaw Box Plots



Range of Standard Curve: 16 - 250,000 pg/mL
Working Range: (Range*Dilution) 4,800 - 75,000,000 pg/mL
Manufacturer Defined Minimum Detectable Concentration: 145.4 pg/mL
Manufacturer Defined MDC * Dilution = 145.4 * 300 = 43,620 pg/mL
Manufacturer Defined Intra-Assay CV% = 5.6 %
Manufacturer Defined Inter-Assay CV% = 15%
Manufacturer Recommended Sample Type: EDTA
Citrate, EDTA and SCAT appear to run similar to each other. Serum appears to run at slightly elevated levels. There appears to be no difference attributed to freeze/thaw cycles. The CV% for the average of the thaw cycles (4.47%) is less than the expected intra-assay CV%.