



# Variability Test

## Average Value from lot to lot

	Lot	Lot 1	Lot 2	Lot 3	Ave	SD	CV%
3Points	H	12.13	12.09	11.80	12.01	0.18	1.5
	M	2.68	2.89	2.85	2.81	0.11	3.9
	L	0.79	0.87	0.90	0.85	0.06	7.1
Serum (ug/mL)	S1	16.36	17.55	20.99	18.30	2.41	13.1
	S2	16.11	16.69	16.80	16.53	0.37	2.2
	S3	14.10	13.71	15.17	14.33	0.76	5.3
EDTA Plasma (ug/mL)	P1	15.18	14.63	16.34	15.38	0.87	5.7
	P2	17.08	19.74	17.81	18.21	1.37	7.5
	P3	12.73	13.85	12.44	13.01	0.74	5.7
Urine ng/mL	U1	10.15	10.36	10.76	10.42	0.31	3.0
	U2	23.75	21.67	22.13	22.51	1.09	4.9

## Preparation of samples and Measurement

Number of Person: 1  
Number of Lot tested: 3  
Number of Measurement: 3

### **Control (3Points)**

Triplicate Measurement

### **Human Serum (N=3) / Human EDTA-Plasma (N=3)**

Stored at -80°C more than 1 year / Freeze-Thaw: 2

Dilution Ratio: X 10,000

Step-1 Sample 10uL + Dilution Buffer 990uL---Sample A (x100)

Step-2 Sample A 10uL +Dilution Buffer 990uL --- x10,000

Triplicate Measurement

### **Human Urine (N=2) ( Spot Urine )**

Stored at -80°C more than 1 year / Freeze-Thaw: 1

Dilution Ratio: X 4

Step-1 Sample 250uL + +Dilution Buffer 750uL --- x4

Duplicate Measurement



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## Standards

Conc. (ng/mL)	A	B	C
	Lot 1	Lot 2	Lot 3
20.00	2.864	2.346	2.372
10.00	1.685	1.468	1.309
5.00	0.998	0.875	0.721
2.50	0.547	0.495	0.383
1.25	0.326	0.264	0.230
0.63	0.154	0.167	0.152
0.31	0.094	0.091	0.081
Blank	0.058	0.028	0.035

