

Analytical Measuring Ranges
IMMUNOASSAY

		LOW	HIGH	OnBoard Dilution	Extended Range	Diluent/ Dilution	Maximim Reportable
B12, VITAMIN	pg/mL	146	2000				>2000
TOTAL BETA HCG	mIU/mL	1.2	15000	1:15	225000	Multi Assay Manual Diluent x20	225000*
BNP	pg/mL	10	5000	1:5	25000		>25000
CEA	ng/mL	0.5	1500	1:10	15000		>15000
CEA, Pancretic	ng/mL	0.5	1500	1:10	15000		>15000
CA 15-3	U/mL	0.5	800	1:5	4000		>4000
CA 125	U/mL	1	1000	1:10	10000		>10000
AFP TUMOR MARKER	ng/mL	2	2000	1:10	20000		>20000
CA 19-9	U/mL	2.0	1200	1:10	12000		>12000
CA 19-9, FLUID	U/mL	2.0	1200	1:10	12000		>12000
C PEPTIDE	ng/mL	0.0	30	1:10	300		>300
CKMB	ng/mL	0.1	300.0	1:2	600		>600
CORTISOL	ug/dL	1.0	59.8	1:2	119.6		>119.6
DHEA-S	ug/dL	3.0	1500				>1500
PSA, TOTAL	ng/mL	0.10	100	1:10	1000		>1000
ESTRADIOL	pg/mL	10.0	1000	1:5	5000		>5000
FERRITIN	ng/mL	1.0	2000	1:20	40000		>40000
FOLATE	ng/mL	1.6	20				>20
PSA, FREE	ng/mL	0.020	30				>30
FREE T3	pg/mL	1.0	30.0				>30
FREE T4	ng/dL	0.4	5.0				>5
FSH	mIU/mL	0.5	150	1:5	750		>750
HOMOCYSTEINE	umol/L	1.0	50				>50
INSULIN	uIU/mL	1.0	300	1:2	600		>600
iPTH	pg/mL	4.0	2500				>2500
LH	mIU/mL	0.09	250	1:4	1000		>1000
MYOGLOBIN	ng/mL	1.0	1200	1:10	12000		>12000
PROGESTERONE	ng/mL	0.1	40	1:10	400		>400
PROCALCITONIN	ng/mL	0.02	100				>100
PROLACTIN	ng/mL	0.6	200	1:10	2000		>2000
SHBG	nmol/L	2.0	250	1:5	1250		>1250
TESTOSTERONE	ng/dL	4.3	1009.4	1:4	1500		1500**
TROPONIN-I	ng/mL	0.01	50.0				>50
TSH	uIU/mL	0.01	100	1:5	500		>500
VITAMIN D, 25-OH Total	ng/mL		155.9				>155.9
HBSAG Conf	%					HBSAG Conf Diluent	Manual 1:20000

* See Med Tech II, Supervisor or Technical Director

** Verify dilution condition is STD before reporting Testo as "less than"

Dilution Guide			
Dilution	DILUENT Volume	SAMPLE Volume	Program at Instrument
X2	100uL	100uL	2
X4	300uL	100uL	4
X5	400uL	100uL	5
X10	900uL	100uL	10
X16	750uL	50uL	16
X20	950uL	50uL	20