UVA CENTER FOR RESEARCH IN REPRODUCTION
LIGAND ASSAY AND ANALYSIS CORE LABORATORY

INTRA- AND INTER-ASSAY %CV DATA FOR ALL ASSAYS FROM 2010

ASSAY	SENSITIVITY	2010	
		INTRA CV%	INTER CV%
AMH - ELISA	0.25 ng/mL	6.3	7.9
Androstenedione - RIA	0.1 ng/mL	8.3	10.4
Cortisol Human - Immulite	1.0 ug/dL	3.5	8.8
Corticosterone - RIA	20.0 ng/mL	2.5	8.6
DHEA - ELISA	0.2 ng/mL	2.4	6.5
DHEA-SO4 Human - Immulite	7.0 ug/dL	3.3	7.5
Estradiol Mouse – Calbiotech ELISA	3.0 pg/mL	3.1	9.9
Estradiol Human & Rat - Siemens - RIA	10.0 pg/mL	7.0	9.6
Estrone - RIA	15.0 pg/mL	4.0	10.4
FSH Human - Immulite	0.1 mIU/mL	2.2	4.7
Growth Hormone – Immulite	0.01 ng/mL	2.7	6.0
IGF-1 Human - Immulite	25 ng/mL	3.2	7.0
Inhibin-A - ELISA	10.0 pg/mL	6.1	7.0
Inhibin-B - ELISA	20.0 pg/mL	4.9	7.2
Insulin Human - Immulite	2.6 uIU/mL	3.7	8.1
LH Human - Immulite	0.1 mIU/mL	2.8	4.3
Mouse FSH - RIA	2.0 ng/mL	5.5	8.0
Mouse LH - IRMA	0.07 ng/mL	3.1	9.0
Mouse/Rat LH/FSH Multiplex Testing	LH 0.24 ng/mL FSH 2.4 ng/mL	6.9 6.7	17.2 16.9
Progesterone - RIA	0.1 ng/mL	5.4	4.1
Prolactin Human - Immulite	1.0 ng/mL	2.0	5.0
17a-OH Progesterone - RIA	0.1 ng/mL	3.9	5.8
Rat FSH - RIA	1.5 ng/mL	6.2	10.3
Rat LH - IRMA	0.07 ng/mL	3.9	5.7
SHBG Human - Immulite	0.2 nmol/L	2.0	6.0
Testosterone - RIA	10.0 ng/dL	3.6	7.0
TSH – Immulite	0.01 uIU/mL	3.8	6.4
Sensitive Estradiol - RIA	1.5 pg/mL	6.7	8.7
Sensitive Progesterone - RIA	0.05 ng/mL	3.5	7.5
Sensitive Testosterone - RIA	5.0 ng/dL	4.1	9.5