

Name	Standard range	Test Dates																											
		6/20/2008	1/26/2012	7/9/2014	10/17/2014	10/24/2014	11/7/2014	1/2/2015	1/20/2015	2/25/2015	3/27/2015	4/13/2015	4/30/2015	6/11/2015	8/6/2015	8/24/2015	9/8/2015	9/21/2015	10/23/2015	12/14/2105									
								500 iu HCG 3x week		600 iu EOD, .25mg Arimidex	560iu EOD, .25 Arimidex						500iu EOD, .5mg Arimidex (not expected result from AI increase!)	540iu EOD, .25 Arimidex	540iu EOD, .5 Arimidex										
Protocol																													
MRI		Normal																											
Estrodiol	11.6-41.0							51	52	26	41		50	42	39				30	34	19								
Testosterone, TOTAL	241 - 827 ng/dL				134	179	182	545	361	357	619		690	562	664				390	528	376								
Albumin	3.5 - 5.0 g/dL						4.4								4.3														
SEX HORMONE BINDING GLOBULIN, MASS	10 - 50 nmol/L						12								19														
Testosterone, bioavailable	110.0 - 575.0 ng/dL						89.5								291.9														
Testosterone free	46.0 - 224.0 pg/mL						44.5								148.2														
Hct, auto	37.0 - 53.0 %		50.2	50.3		49.8				54.7	55.9			55.8				57.1	55.5	56.7	57.7								
Hgb	12.9 - 18.3 gm/dL		16.9	16.8		16.6				18.6	19.2			19				19.4	18.8	19.7	19.5								
MCH	26.0 - 35.0 pg		30.5	30.9		30.3				30.8	31			31				31.4	31.3	31.7	31.4								
MCHC	31.0 - 37.0 gm/dL		33.7	33.4		33.3				34	34.3			34.1				34	33.9	34.7	33.8								
MCV	80.0 - 100.0 fL		90.5	92.6		91				90.7	90.3			91.2				92.4	92.3	91.3	92.9								
Platelets, automated count	150 - 450 thous/mm3		323	303		325				310	298			291				274	260	272	286								
RBC, auto	4.25 - 6.00 mill/mm3		5.55	5.43		5.47				6.03	6.19			6.12				6.18	6.01	6.21	6.21								
RDW, ratio, RBC, Qn, auto	0.0 - 17.0 %		13.1	13.6		13.3				13.9	14.2			14.6				14.4	14	13.9	13.8								
WBC's, automated count	3.5 - 10.5 thous/mm3		5.5	5.6		5.9				4.1	6			5.9				5.5	5.3	5.9	5.7								
Ferritin	30 - 400 ng/mL											14		48				42											
Iron	35 - 190 ug/dL					102						105						238		147									
Iron/total iron binding capacity	20 - 50 %					28						24						58		38									
total iron binding capacity	230 - 430 ug/dL					363						430						407		385									
VITAMIN D, 25-HYDROXY	20 - 96 ng/mL														28														
Dihydrotestosterone	16 - 79 ng/dL														41														
DHEA-S	80 - 560 ug/dL														136														
Cortisol morning	4.0 - 22.0 ug/dL					14.4									17.6														
Prolactin					6.1										9.7														
Average blood sugar calculated from the HbA1c				123						111																			
Hgb A1c %	3.4 - 5.6 %			5.9						5.5																			
Cholesterol	0 - 199 mg/dL		179							188																			
Cholesterol, non-HDL	<=150 mg/dL		135							152																			
HDL	>=40 mg/dL		44							36																			
LDL			117							120																			
Triglyceride	<=200 mg/dL		93							162																			
TSH	0.320 - 5.500 uIU/mL	1.91	1.513	1.769											1.486		1.658												
Free T4	0.70 - 1.80 ng/dL						1																						
LH						1.3																							
FSH						1.7																							
Erythropoietin	2.6 - 18.5 mIU/mL																	8.2											
Sodium	135 - 145 mEq/L																	140											
Potassium	3.5 - 5.0 mEq/L																	4.2											
Chloride	98 - 109 mEq/L																	102											
CO2	20 - 31 mmol/L																	29											
GLUCOSE, RANDOM	60 - 140 mg/dL																	93											
Albumin	3.5 - 5.0 g/dL																	4.7											
BUN	7 - 23 mg/dL																	19											
Creatinine	0.6 - 1.3 mg/dL																	1.1											

Glomerular filtration rate, African American	>=60.0 mL/min/1.73m2															92.7				
Glomerular filtration rate, nonAfrican American	>=60.0 mL/min/1.73m2															76.6				
Total Protein	6.3 - 8.0 g/dL															7.6				
ALKALINE PHOSPHATASE	45 - 129															47				
AST	5 - 40 IU/L															25				
ALT	5 - 50 IU/L															32				
Calcium	8.5 - 10.5 mg/dL															10.2				
Bilirubin, total	0.1 - 1.5 mg/dL															0.7				