TEST	RANGE	UNITS	6/18/2014	9/10/2014	10/7/2014	11/27/201	1/20/2015	1/21/2015	1/22/2015	1/26/2015	2/5/2015	2/11/2015	3/16/2015	3/18/2015	4/23/2015	4/29/2015	6/25/2015	7/15/2015	7/30/2015	10/2/2015	11/10/201	11/26/201	12/22/201	2/24/2016	3/17/201	5/10/201	6/2/2016
Testosterone	7.6-31.4	nmol/L		16.8		24.7				25.5						22.5				12			19	14	17.2	18.66	19
Free Testosterone	0.17-0.67	nmol/L		0.3		0.43				0.54										0.2076			0.3698	0.2207			
Free Tesstosterone	174-729	pmol/L																									292.3
Free Testosterone	4.00-30.0	pg/ml																								12.38	
Albumin	(35-50)	g/L		50		54	49			47										47			49	49	53		50
DHT	0.3-2.0	nmol/L														1.01									2.33*		
3 Adiol G	168-3530															3470											
Oestradiol by RIA	<150	pmol/L																									41
Oestradiol	99-192	pmol/L										98				70									23.2*		
Progesterone	0.7-4.3	nmol/L															3.2										
Hydroxyprogesterone	1.8-7.0	nmol/L																									4.9
Prolactin	86-324	mu/L								675	451	346		591	345		414			202	483		381	181	464	606	203
LH	1.7-8.6	iu/L								7.7						4.5									4.4		4.6
FSH	1.5-12.4	iu/L								3.2						3.5											4.2
SHBG	15-64	nmol/L		38		40				33						44				39			34	45			49
Serum Growth Hormone		ug/L																									<0.2
IGF1	116-358	ug/L																									229
Cortisol Serum	171-536	nmol/L										645				645				240			529	423	374		
Cortisol Urine	99-370															134											
Sal. Cortisol Post Awakening	7.45-32.5	nmol/L											3.2					30.07									
Saliva Cortisol + 4 hrs	2.76-11.3	nmol/L											1.3					5.52									
Saliva Cortisol + 4 hrs	1.38-7.45	nmol/L											0.5					9.93									
Saliva Cortisol Prior to Sleep	0.83-3.86	nmol/L											0.2					3.59									
Sum of Cortisol		nmol/L											5.2					49.1									
DHEA Saliva AM	0.25-2.22	nmol/L											0.26					2.15									
DHEA Saliva PM	0.25-2.22	nmol/L											0.16					1.01									
DHEA MEAN	0.25-2.22	nmol/L											0.21					1.58									
Saliva DHEA:Cortisol Ratio	.015-0.15	nmol/L											4.04					0.071									
DHEA(S)B	0.7-11.5	umol/L														10.8										11.1	
Fasting Glucose	(0-6)	mmol/L						5.2																			
Vitamin D Total	50-200	nmol/L														106							86				
Vitamin D Hydroxy	60-207.6															134											
B12	220-700	ng/L	340																				387		412		
Ferritin	30-400	ug/L	101																				173				
Iron	14.0-28.0	umol/L																					21				
Folate	4.5-18.5	ug/L	16.1																						14.8		
Magnesium	0.7-1.1	mmol/L																							0.81		
Zinc	Nov-24	umol/L																							16.5		
THYROID																											
TSH	0.27-4.2	miu/L								3.3	1.3								2.34	1.5			3.8	3.2	3.2		2
Free T4	(12-22)	pmol/L									21.2																17
TotalT4	59-154	nmol/L																	98								
Free T3	(3.1-6.8)	pmol/L									5.8								5				6.1				
Thyroid Peroxidase Antibodies	(0-34)	iu/mL									16								5								
Thyroglobulin Antibody	(0-115)	iu/mL																	19.6								
RT3	(10-24)	ng/dl																	24								
FULL BLOOD COUNT																											
Hb	(135-180)	g/L	141	144		148	155	157	153	152					145					146							
WBC	(4-11)	x10^9/L	3.2	3		3.2	4.8	3.9	3.2	4.5					2.6					4.3							
RBC	4.5-6.5	x10^9/L	4.46	4.33		4.38	4.64	4.72	4.68	4.47					4.51					4.73							
Haematocrit	0.4-0.54	L/L	0.417	0.404			0.44	0.446	0.442	0.425					0.413								0.426				
Mean Cell Volume	80.0-90.0	fL	93.3	93.4		95.4	94.7	94.6	94.3	95.2					91.6								90				
Mean Cell Haemoglobin Level	27.0-33.0	pg	31.6	33.2		33.8	33.4	33.4	32.6	34					32.1								239				
MCH Concentration	320-360	g/L	339	355		354	353	353	346	357					350												
Platelet Count observation	140-400	x10^9/L	183	180		223	185	209	207	272					203								2.12				
Neutrophil Count	1.5-7.5	x10^9/L																					0.28				
Monocyte Count observation	0.2-0.8	x10^9/L																					0.09				
Eosinophil Count observation	0.04-0.4	x10^9/L																					0.01				
Basophil Count	0.02-0.1	x10^9/L																					1.84				
Lymphocyte Count	1.0-4.0	x10^9/L																					< 0.20				
Nucleated Red Blood Cell Cou.	0.0-0.2	x10^9/L																									
White Cells Urine					<40																						
Erythrocyte Sedimentation Ra	(1-10)	mm/h		2																							
Total Creatinine Kinase	40-320	u/L							285																		
Glycated Haemoglobin DCCT	4.0-6.0											5															
Glycated Haemoglobing IFCC	2.0-4.2	nmol/mol										3.2															
CLOTTING SCREEN																											
PT Ratio (AKA INR)	0.8-1.2						1.1	1.1																			
PT.	8.5-13	sec					11	11																			
APTT	21-33	sec					26	24																			
APTT Ratio	0.8-1.2						1	0.9																			
ADRENALS																											
Normetadrenaline	0.0-2.7	umol/24h																									

Metadrenaline	0.0-1.0	umol/24h																			0.86						
Total Metanephrine	0.0-3.7	umol/24h																			2.68						
Noradrenaline	<700	nmol/24h																			413						
Adrenaline	<200	nmol/24h																			57						
Dopamine	<3.0	umol/24h																			2.2						
URINE																											
Urine Creat XE2qO		mmol/L																			8.8						
24h Urine Creat.	5.0-17.0	mmol/L																			20.8						
Urine Volume		ml/24hr																			2368						
3Methoxy Tyramin	0.0-2.3	umol/24h																			1.53						
Troponin		ng/L					1035 & 976			28.6																	
UREA & ELECTROLYTES																											
Serum Sodium	133-146	mmol/L		142		141	141	142	142	142												141					
Serum Potassium	3.5-5.3	mmol/L		3.9		4.2	4.3	4.3	4.6	4.2												3.7					
Serum Urea	2.5-7.8	mmol/L					3.4	3.6	4.5	4.6												4.3					
Serum Creatinine	60-120	umol/L		79		88	85	86	80	76												84		<1			
GFR calc abbv MDRD		mL/min		>60		>60				>60												>90					
LIVER FUNCTION																											
Serum Alan. Am.Tra	2.0-53.0	iu/L																				16					
Serum Bilirubin	<21.0	umol/L		8		20	2.54			10												10					
Plasma C-React.Pro	<10	mg/L		<1			9			<1												<5		<1			
Total Protein	60-80	g/L		74		82	80			77														77			
BONE PROFILE																											
S.Adj.Calcium Conc.	2.2-2.6	mmol/l		2.52			2.54			2.51												2.26		2.52			
S.Inorg.Phosphate	0.8-1.5	mmol/l		0.91			0.84			0.82												0.89		0.77			
S.Alk. Phosphatase	30-130	iu/L		46		53	47			49												55		48			
Globulin	18-36	g/L		24		28	31			30														24			
ALT	0-40	iu/L		14		9	26			19																	
Serum Urate Level	200-430	umol/L																				333					
S.Gamma-Glutamyl Transferas	<50	iu/L																				13					
FASTING LIPS																											
Cholesterol	0-5	mmol/L								3.2																	
HDL Cholesterol		mmol/L								1.16																	
Cholesterol:HDL Ratio										2.8																	
Triglyceride	0-1.8	mmol/L								0.9																	
LDL Cholesterol		mmol/L						1.63																			