



# Directory of Tests

**Saliva, blood spot and dried urine are used for the minimally-invasive hormone testing that is the hallmark of ZRT Laboratory.** The simplicity of sample collection and stability of samples in storage and transport have made these ideal for clinical use as well as research. Serum testing is now also available for some tests. See the table for a list of all our tests and assay methods used.

TESTS	CPT CODE	SALIVA	BLOOD SPOT	SERUM	DRIED URINE
<b>Steroid Hormone Testing</b>					
Estradiol (E2)**	82670	EIA*/LCMS	LCMS*	LIA*	GCMS
2-OH E2, 4-OH E2, 2-MeO E2, 4-MeO E2	82670				GCMS
Estriol (E3)	82677	LCMS*			GCMS
Estrone (E1)	82679	LCMS*			GCMS
2-OH E1, 4-OH E1, 16 $\alpha$ -OH E1, 2-MeO E1, 4-MeO E1	82679				GCMS
Estrone-3-Glucuronide (E1G)	82679				EIA
Pregnenolone sulfate (PregS)	84140	LCMS			
Progesterone (Pg)**	84144	EIA*/LCMS	LCMS*	LIA*	
Pregnanediol (Pgdiol), Allopregnanediol (AlloPd)	84135				GCMS
Pregnanediol-3-Glucuronide (PDG)	84135				EIA
Allopregnanolone (AlloP)	84140	LCMS			GCMS
17-OH Progesterone (17OHPg)	83498	LCMS			
3 $\alpha$ -dihydroprogesterone (3 $\alpha$ HP)	84144				GCMS
20 $\alpha$ -dihydroprogesterone (20 $\alpha$ -HP)	83498				GCMS
Deoxycorticosterone (DOC)	82633				GCMS
Androstenedione (Adione)	82157	LCMS			GCMS
Testosterone (T)**	84402	LIA*/LCMS			
Testosterone (T)**	84403		LCMS*	LIA*	GCMS
Epi-testosterone (Epi-T)	82542				GCMS
5 $\alpha$ -dihydrotestosterone (5 $\alpha$ -DHT)	82642	LCMS			GCMS
DHEA (D)	82626	LCMS			GCMS
DHEA-S (DS)	82627	EIA*/LCMS	LCMS*	LIA*	
7-Keto DHEA (7keto)	82542	LCMS			
Etiocolanolone (Etio)	82696				GCMS
Androsterone (Andro)	82160				GCMS
5 $\alpha$ ,3 $\alpha$ -Androstenediol (5 $\alpha$ ,3 $\alpha$ )	82154				GCMS
11-Deoxycortisol (11DC)	82634	LCMS			
Cortisol (C)**	82530	EIA*/LCMS			
Cortisol (C)**	82533		LCMS*	LIA*	
Free Cortisol (FC)	82530				LCMS
Total Cortisol (TC)	82533				GCMS
Cortisone (Cn)	82530	LCMS			
Free Cortisone (FCn)	82530				LCMS
Total Cortisone (TCn)	82533				GCMS
Tetrahydrocortisol (ThC), Tetrahydrocortisone (ThCn)	83491				GCMS
Corticosterone (Ccn)	82528	LCMS			GCMS
Aldosterone (Ald)	82088	LCMS			
<b>Hormone-Related Testing</b>					
Bisphenol A (BPA)	82542				GCMS
Ethinyl estradiol (EE)	82670	LCMS			
Melatonin (Mel)	82542	LCMS			
Melatonin (MT6s)	82542				LCMS
Sex hormone binding globulin (SHBG)	84270		LIA*	LIA*	
Prostate-Specific Antigen (PSA)	84153		LIA*	LIA*	
Anastrozole (ANZ)	82542	LCMS			
Finasteride (FIN)	82542	LCMS			
Letrozole (LTZ)	82542	LCMS			

TESTS	CPT Code	SALIVA	BLOOD SPOT	SERUM	DRIED URINE
Luteinizing Hormone (LH)	83002		LIA*	LIA*	EIA
Follicle-Stimulating Hormone (FSH)	83001		LIA*	LIA*	
Vitamin D (25-OH D2/25-OH D3)	82306		LCMS*		
Ferritin (FER)	82728			LIA*	
<b>Thyroid Testing</b>					
Free Thyroxine (fT4)	84439		EIA*	LIA*	
Free Triiodothyronine (fT3)	84481		EIA*	LIA*	
Thyroglobulin (TG)	84432		LIA*		
Thyroid-Stimulating Hormone (TSH)	84443		LIA*	LIA*	
Thyroid Peroxidase Antibodies (TPOab)	86376		EIA*	LIA*	
Thyroxine (T4), total	84436		TRFIA*		
<b>Cardiometabolic Testing</b>					
Cholesterol (CH), total	82465		Enzymatic		
HDL Cholesterol (HDL)	83718		Enzymatic		
Hemoglobin A1c (HbA1c)	83036		ITA*		
High-Sensitivity C-Reactive Protein (hsCRP)	86141		EIA*		
Insulin (Ins), fasting	83525		EIA*		
Triglycerides (TG)	84478		Enzymatic*		
<b>Neurotransmitter Testing</b>					
5-Hydroxyindoleacetic acid (5-HIAA)	83497				LCMS
Dopamine (DA), DOPAC	82384				LCMS
Norepinephrine (NE), Epinephrine (Epi)	82384				LCMS
GABA, Glutamate (Glu), Glycine (Gly)	82139				LCMS
Tryptophan, Kynurenine, 3-Hydroxykynurenine	82139				LCMS
Taurine (Tau), Glutamine (Gln), Histidine (His)	82139				LCMS
Phenethylamine (PEA), N-Methylhistamine, Tyramine	82542				LCMS
Histamine (Hist)	83088				LCMS
Kynurenic acid (KynAC), Xanthurenic acid (Xanth)	83921				LCMS
Homovanillic acid (HVA)	83150				LCMS
Normetanephrine (NMN)	83835				LCMS
Serotonin (5-HT)	84260				LCMS
Tyrosine (Tyr)	84510				LCMS
Vanillylmandelic acid (VMA)	84585				LCMS
Creatinine (Crtn)	82570				LCMS
<b>Heavy Metals &amp; Essential Elements Testing</b>					
Arsenic (As)	82175				ICPMS
Bromine (Br)	84311				ICPMS
Cadmium (Cd)	82300		ICPMS		ICPMS
Copper (Cu)	82525		ICPMS		
Iodine (I)	84311				ICPMS*
Lead (Pb)***	83655		ICPMS		
Lithium (Li)	80178				ICPMS
Magnesium (Mg)	83735		ICPMS		
Mercury (Hg)	83825		ICPMS		ICPMS
Selenium (Se)	84255		ICPMS		ICPMS
Zinc (Zn)	84630		ICPMS		
<b>Adjunct to Urine Testing</b>					
Creatinine (Crtn)	82570				Colorimetric

The American Medical Association's Current Procedural Terminology (CPT®) codes are provided for informational purposes only to assist with billing. ZRT assumes no responsibility for billing errors due to reliance on the published CPT codes.

\*Available as a single or add-on test

\*\*Tested in saliva, blood spot and serum. Saliva measures free (bioavailable) levels; blood spot and serum measure total (free plus protein-bound)

\*\*\* Only Available to Research Accounts