



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

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Luteinizing Hormone (LH)	83002		LIA*	LIA*	EIA
Follicle-Stimulating Hormone (FSH)	83001		LIA*	LIA*	
Vitamin D (25-OH D2/25-OH D3)	82306		LC-MS		
Ferritin (FER)	82728			LIA*	
Thyroid Testing					
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*		
Cardiometabolic Testing					
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*		
Neurotransmitter Testing					
5-Hydroxyindoleacetic acid (5-HIAA)	83497				LC-MS
Dopamine (DA), DOPAC	82384				LC-MS
Norepinephrine (NE), Epinephrine (Epi)	82384				LC-MS
GABA, Glutamate (Glu), Glycine (Gly)	82139				LC-MS
Tryptophan, Kynurenine, 3-Hydroxykynurenine	82139				LC-MS
Taurine (Tau), Glutamine (Gln), Histidine (His)	82139				LC-MS
Phenethylamine (PEA), N-Methylhistamine, Tyramine	82542				LC-MS
Histamine (Hist)	83088				LC-MS
Kynurenic acid (KynAC), Xanthurenic acid (Xanth)	83921				LC-MS
Homovanillic acid (HVA)	83150				LC-MS
Normetanephrine (NMN)	83835				LC-MS
Serotonin (5-HT)	84260				LC-MS
Tyrosine (Tyr)	84510				LC-MS
Vanillylmandelic acid (VMA)	84585				LC-MS
Creatinine (Crtn)	82570				LC-MS
Heavy Metals & Essential Elements Testing					
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		
Adjunct to Urine Testing					
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 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