

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 tables for a list of all our current offerings.

TESTS	CPT CODE	ASSAY TYPE**	BLOOD SPOT	SERUM	SALIVA	DRIED URINE	SINGLE OR ADD-ON ***
Hormone Testing							
Estradiol (E2)*	82670	EIA	●		●		●
Estradiol (E2)	82670	GC-MS/MS				●	
Estradiol (E2)*	82670	LIA		●			
Estriol (E3)	82677	LC-MS/MS			●		●
Estriol (E3)	82677	GC-MS/MS				●	
Estrone (E1)	82679	LC-MS/MS			●		●
Estrone (E1)	82679	GC-MS/MS				●	
Estrone-3-Glucuronide (E1G)	82679	EIA				●	
Progesterone (Pg)*	84144	EIA	●		●		●
Progesterone (Pg)*	84144	LIA		●			
Pregnanediol-3-Glucuronide (PDG)	84135	EIA				●	
Testosterone (T)*	84402	LIA			●		●
Testosterone (T)*	84403	LIA		●			
Testosterone (T)*	84403	EIA	●				●
Testosterone (T)	84403	GC-MS/MS				●	
DHEA-S	82627	EIA	●		●		●
DHEA-S	82627	LIA		●			
DHEA + DHEA-S	82626	GC-MS/MS				●	
Cortisol (C)*	82530	EIA			●		●
Cortisol (C)*	82533	EIA	●				●
Cortisol (C)*	82533	LIA		●			
Free Cortisol	82530	LC-MS/MS				●	
Total Cortisol	82533	GC-MS/MS				●	
Free Cortisone	82530	LC-MS/MS				●	
Total Cortisone	82533	GC-MS/MS				●	
Steroid hormone metabolites:							
2-OH estradiol, 4-OH estradiol, 2-MeO estradiol, 4-MeO estradiol	82670						
2-OH estrone, 4-OH estrone, 16 α -OH estrone, 2-MeO estrone, 4-MeO estrone	82679						
Pregnanediol, Allopregnanediol	84135						
Allopregnanolone	84140						
3 α -dihydroprogesterone	84144						
20 α -dihydroprogesterone	83498					●	
Deoxycorticosterone	82633	GC-MS/MS					
Corticosterone	82528						
Epi-testosterone	82542						
5 α -dihydrotestosterone	82642						
Androstenedione	82157						
Etiocholanolone	82696						
Androsterone	82160						
5 α ,3 α -Androstanediol	82154						
Tetrahydrocortisol, tetrahydrocortisone	83491						
Bisphenol A	82542	GC-MS/MS				●	
Melatonin (MT6s)	82542	LC-MS/MS				●	
SHBG	84270	LIA	●	●			●
Prostate Specific Antigen (PSA)	84153	LIA	●	●			●
Free Thyroxine (fT4)	84439	EIA	●				●
Free Thyroxine (fT4)	84439	LIA		●			
Free Triiodothyronine (fT3)	84481	EIA	●				●
Free Triiodothyronine (fT3)	84481	LIA		●			
Thyroid Stimulating Hormone (TSH)	84443	LIA	●	●			●

TESTS	CPT Code	ASSAY TYPE**	BLOOD SPOT	SERUM	SALIVA	DRIED URINE	SINGLE OR ADD-ON ***
Thyroid Peroxidase Antibodies (TPOab)	86376	EIA	●				●
Thyroid Peroxidase Antibodies (TPOab)	86376	LIA		●			
Thyroxine (T4), total	84436	TRFIA	●				●
Thyroglobulin	84432	LIA	●				●
IGF-1 (Somatomedin C)	84305	EIA	●				●
Luteinizing Hormone (LH)	83002	LIA	●				●
Luteinizing Hormone (LH)	83002	EIA				●	
Follicle-Stimulating Hormone (FSH)	83001	LIA	●				●
Vitamin D (25-OH D2/25-OH D3)	82306	LC-MS/MS	●				●
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-HIAA	83497	LC-MS/MS				●	
Dopamine (DA)	82384	LC-MS/MS				●	
DOPAC	82384	LC-MS/MS				●	
Epinephrine (Epi)	82384	LC-MS/MS				●	
GABA	82136	LC-MS/MS				●	
Glutamate (Glu)	82136	LC-MS/MS				●	
Glycine (Gly)	82136	LC-MS/MS				●	
Histamine (HIST)	83088	LC-MS/MS				●	
HVA	83150	LC-MS/MS				●	
Norepinephrine (NE)	82384	LC-MS/MS				●	
Normetanephrine (NMN)	83835	LC-MS/MS				●	
Phenethylamine (PEA)	82136	LC-MS/MS				●	
Serotonin (5-HT)	84260	LC-MS/MS				●	
VMA	84585	LC-MS/MS				●	
Heavy Metals & Essential Elements Testing							
Arsenic (As)	82175	ICPMS				●	
Bromine (Br)	84311	ICPMS				●	
Cadmium (Cd)	82300	ICPMS	●			●	
Copper (Cu)	82525	ICPMS	●				
Gadolinium (Gd)	83018	ICPMS				●	
Iodine (I)	84311	ICPMS				●	●
Lead (Pb)	83655	ICPMS	●				
Lithium (Li)	80178	ICPMS				●	
Magnesium (Mg)	83735	ICPMS	●				
Mercury (Hg)	83825	ICPMS	●			●	
Selenium (Se)	84255	ICPMS	●			●	
Thallium (Tl)	83018	ICPMS				●	
Uranium (U)	83018	ICPMS				●	
Zinc (Zn)	84630	ICPMS	●				
Adjunct to Urine Testing							
Creatinine (Crtn)****	82570	Colorimetric				●	

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

** **Explanation of assay type abbreviations:**

EIA = Enzyme Immunoassay

GC-MS/MS = Gas Chromatography/Tandem Mass Spectrometry

ICPMS = Inductively Coupled Plasma Mass Spectrometry

ITA = Immunoturbidimetric Assay

LC-MS/MS = Liquid Chromatography/Tandem Mass Spectrometry

LIA = Luminescence Immunoassay

TRFIA = Time-Resolved Fluorescence Immunoassay

*** Any test offered as a Single Test can be added to any other test or profile at a discounted price.

**** Creatinine is included with all urine tests as a correction factor for urine dilution.

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.