

| Marker | Assay Method | Range | Units | Species | Sample Type | Req Vol (µl) | Req Sample # | Internal Rate | External Rate | Industrial Rate |
|---|----------------------------|------------|---------|---------------|-------------|--------------|-----------------------------|-----------------------|---------------|-----------------|
| Category 1: In-house Assays | | | | | | | (min sample #) | | | |
| Androstenedione (A4) | Ext-Chrom-RIA | 5-600 | pg/tube | Most species | S,P,M | unrestricted | Usually unlimited | \$7.20 | \$12.00 | Contact ETSL |
| 17-hydroxyprogesterone (17α-P) | Ext-Chrom-RIA | 5-750 | pg/tube | Most species | S,P,M | unrestricted | Usually unlimited | \$7.20 | \$12.00 | Contact ETSL |
| β-endorphin (βEP) | Iodination-RIA | 0.005 - 10 | pg/tube | Most species | S,P,M | 200 max | Contact ETSL | \$12.00 | \$16.50 | Contact ETSL |
| Cholecystokinin (CCK) | Iodination-RIA | 0.005 - 10 | pg/tube | Most species | S,P,M | 200 max | Contact ETSL | \$12.00 | \$16.50 | Contact ETSL |
| Corticosterone | Ext-RIA | 0-1000 | ng/mL | Most species | S,P,M | unrestricted | Usually unlimited | \$6.50 | \$10.00 | Contact ETSL |
| Corticotropin-releasing factor (CRF) | Iodination-RIA | 0.005 - 10 | pg/tube | Most species | S,P,M | 200 max | Contact ETSL | \$12.00 | \$16.50 | Contact ETSL |
| Dehydrocorticosterone (DOC) | Ext-RIA | 0-1000 | ng/mL | Most species | S,P,M | unrestricted | Usually unlimited | \$6.50 | \$10.00 | Contact ETSL |
| Dihydrotestosterone (DHT) | Ext-Chrom-RIA | 0-750 | pg/tube | Most species | S,P,M | unrestricted | Usually unlimited | \$7.20 | \$12.00 | Contact ETSL |
| Estradiol-17β (E2) | Ext-RIA | 5-500 | pg/tube | Most species | S,P,M | unrestricted | Usually unlimited | \$6.50 | \$10.00 | Contact ETSL |
| Estradiol-17β (E2) | Ext-Chrom-RIA | 3-500 | pg/tube | Most species | S,P,M | unrestricted | Usually unlimited | \$7.20 | \$12.00 | Contact ETSL |
| Follicle-stimulating hormone (FSH) | Iodination-RIA | 0.01 - 10 | ng/tube | Monkey | S,P,M | 200 max | Usually unlimited | \$7.00 | \$10.50 | Contact ETSL |
| Follicle-stimulating hormone (FSH) | Iodination-RIA | 0.02 - 20 | ng/tube | Non-Primates | S,P,M | 200 max | Contact ETSL | \$7.00 | \$10.50 | Contact ETSL |
| Gonadotropin-releasing hormone (GnRH) | Iodination-RIA | 0.005 - 10 | pg/tube | Contact ETSL | S,P,M | 200 max | Contact ETSL | \$7.00 | \$10.50 | Contact ETSL |
| Growth hormone-releasing hormone (GHRH) | Iodination-RIA | 0.005 - 10 | pg/tube | Most species | S,P,M | 200 max | Contact ETSL | \$12.00 | \$16.50 | Contact ETSL |
| Luteinizing hormone (LH) | Iodination-RIA | 0.01-10 | ng/tube | Monkey | S,P,M | 200 max | Usually unlimited | \$7.00 | \$10.50 | Contact ETSL |
| Luteinizing hormone (LH) | Iodination-RIA | 0.01-10 | ng/tube | Non-Primates | S,P,M | 200 max | Contact ETSL | \$7.00 | \$10.50 | Contact ETSL |
| Luteinizing hormone (LH) | Mouse Leydig Cell Bioassay | 10-500 | pg/tube | Monkey | S,P,M | 100 max | Contact ETSL | \$13.50 | \$19.80 | Contact ETSL |
| Neuropeptide Y (NPY) | Iodination-RIA | 0.005 - 10 | pg/tube | Most species | S,P,M | unrestricted | Contact ETSL | \$12.00 | \$16.50 | Contact ETSL |
| Progesterone (P4) | Ext-RIA | 5-750 | pg/tube | Most species | S,P,M | unrestricted | Usually unlimited | \$6.50 | \$10.00 | Contact ETSL |
| Progesterone (P4) | Ext-Chrom-RIA | 5-750 | pg/tube | Most species | S,P,M | unrestricted | Usually unlimited | \$7.20 | \$12.00 | Contact ETSL |
| Testosterone (T) | Ext-RIA | 3-500 | pg/tube | Most species | S,P,M | unrestricted | Usually unlimited | \$6.50 | \$10.00 | Contact ETSL |
| Testosterone (T) | Ext-Chrom-RIA | 3-500 | pg/tube | Most species | S,P,M | unrestricted | Usually unlimited | \$7.20 | \$12.00 | Contact ETSL |
| Category 2: Human and Non-human Primate Assays using a Roche Cobas e411 Automatic Clinical Platform | | | | | | | cup needs 250 ul | (min sample #) | | |
| Adrenocorticotropins (ACTH) | Chemiluminescence | 1-2000 | pg/mL | Primate | P(E) | 50 | Contact ETSL | \$7.15 | Contact ETSL | Contact ETSL |
| Cortisol (17α-hydroxycorticosterone) | Chemiluminescence | 0.36-634 | ng/ml | Primate | S,M | 20 | Usually unlimited | \$6.00 | \$9.00 | Contact ETSL |
| Estradiol-17β (E2) | Chemiluminescence | 5-4250 | pg/mL | Primate | S,P | 35 | Unlimited | \$6.00 | \$9.00 | Contact ETSL |
| Insulin | Chemiluminescence | 0.2-1000 | µIU/mL | Primate | S,P(H) | 20 | Usually unlimited | \$6.00 | \$9.00 | Contact ETSL |
| Progesterone (P4) | Chemiluminescence | 0.35-59 | ng/mL | Primate | S,P | 30 | Unlimited | \$6.00 | \$9.00 | Contact ETSL |
| Prolactin | Chemiluminescence | 0.05-470 | ng/mL | Primate | S | 10 | Contact ETSL | \$6.00 | \$9.00 | Contact ETSL |
| Testosterone (T) | Chemiluminescence | 0.025-15 | ng/ml | Primate | S,P | 20 | Contact ETSL | \$6.00 | \$9.00 | Contact ETSL |
| Free thyroxine (FT4) | Chemiluminescence | 0.023-7.77 | ng/dL | Primate | S | 15 | Contact ETSL | \$6.50 | \$9.50 | Contact ETSL |
| Total Thyroxine (TT4) | Chemiluminescence | 0.42-24.9 | µg/dL | Primate | S | 15 | Contact ETSL | \$6.50 | \$9.50 | Contact ETSL |
| Free triiodothyronine (FT3) | Chemiluminescence | 0.26-32.55 | pg/ml | Primate | S | 15 | Contact ETSL | \$6.50 | \$9.50 | Contact ETSL |
| Total Triiodothyronine (TT3) | Chemiluminescence | 0.195-6.51 | ng/ml | Primate | S | 30 | Contact ETSL | \$6.50 | \$9.50 | Contact ETSL |
| For human Ferritin, Folate, Vit B12, Osteocalcin, PTH, AFP, PSA,DHEAS, LH, FSH, HCG, SHBG CK-MB, Digoxin, Myoglobin, NT-proBNP, Troponin T | | | | | | | Contact ETSL | Contact ETSL | Contact ETSL | Contact ETSL |
| Category 3: Commercial kit assays: ETSL rates vary depending on kit pricing (from \$175 - \$2,500) | | | | | | | (min well or tube #) | | | |
| Total Adiponectin | ELISA | 0.075-4.80 | ng/mL | Primate | S,P | 10 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| High Molecular Weight Adiponectin | ELISA | 0.075-4.80 | ng/mL | Primate | S,P | 10 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Adiponectin (Rat) | ELISA | 3.125-200 | ng/mL | Rat | S,P,M | 20 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Adrenocorticotropins (ACTH) | RIA | 10-1000 | pg/mL | Multi-species | P(E),S | 100 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Adrenocorticotropins (ACTH) | RIA | 15.5-503.0 | pg/mL | Primate | P(E) | 100 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Aldosterone | Active-RIA | 0-1600 | pg/mL | Primate | P,S,U | 100 | 60 | Contact ETSL | Contact ETSL | Contact ETSL |
| Aldosterone-Monoclonal | EIA | 7.8-1000 | pg/mL | Multi-species | P,U | 50 | 60 | Contact ETSL | Contact ETSL | Contact ETSL |
| Androstenedione (A4) | CTC-RIA | 0-10.0 | ng/mL | Primate | S,P | 50 | 60 | Contact ETSL | Contact ETSL | Contact ETSL |
| Androstenedione (A4) | Double-Antibody RIA | 0.02-10.0 | ng/mL | Primates | S,P(E),M | 50 | 60 | Contact ETSL | Contact ETSL | Contact ETSL |
| Anti-Müllerian hormone | ELISA | 0.5-15 | ng/mL | Primates | S,M | 20 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Cholesterol | Enzymatic | 2.5-7.5 | mM | Most species | S,P | 50 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Corticosterone | RIA | 0.025-1.0 | ng/mL | Most species | S,P | 10 | 60 | Contact ETSL | Contact ETSL | Contact ETSL |
| Corticosterone (Rat) | EIA | 0-2000 | ng/mL | Rat | S | 25 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Cortisol (17α-hydroxycorticosterone) | RIA | 0-60 | µg/dL | Multi-species | S,P(E),U | 25 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Cortisol (17α-hydroxycorticosterone) | EIA | 0-60 | µg/dL | Primate | S,P(E),U | 25 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Cortisol (17α-hydroxycorticosterone) | Salivary EIA | 0.012-3.0 | µg/dL | Multi-species | S,P(E), SA | 25 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Cortisol (17α-hydroxycorticosterone) | ELISA | 7.9-10000 | pg/mL | Multi-species | S,P(E), SA | 50 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Cotinine | ELISA | 5-100 | ng/mL | Human | S | 10 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Cotinine (Rat) | ELISA | 0-100 | ng/mL | Rat | S,U | 10 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| C-Peptide | RIA | 0-20 | ng/mL | Primates | S,P,U | 50 | 180 | Contact ETSL | Contact ETSL | Contact ETSL |
| C-reactive protein (CRP) | Ultra-sensitive ELISA | 1.6-500 | ng/mL | Primates | S,P | 10 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Cytokines, individual | ELISA | | ng/mL | Multi-species | S,P | varies | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Dehydroepiandrosterone (DHEA) | ELISA | 0.37-30 | ng/mL | Most species | S | 10 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Dehydroepiandrosterone (DHEA) | RIA | 0-30 | ng/mL | Most species | S,P | 100 | 60 | Contact ETSL | Contact ETSL | Contact ETSL |

| | | | | | | | | | | |
|--|------------------------|------------|-----------|-----------------|--------|-----|-------------------|--------------|--------------|--------------|
| Dehydroepiandrosterone sulfate(DHEAS) | EIA | 0.005-10 | µg/mL | Most species | S | 25 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Dehydroepiandrosterone sulfate(DHEAS) | RIA | 0-30 | µmol/L | Most species | S,P | 25 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Delta-like 1 (DLK-1) | ELISA | 0.156-10 | ng/mL | Primate | S,P,M | 50 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Dexamethasone | ELISA | 0-100 | ng/mL | Primate | S,SA,U | 20 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Dihydrotestosterone (DHT) | RIA | 0-2500 | pg/mL | Most species | S,P | 400 | 60 | Contact ETSL | Contact ETSL | Contact ETSL |
| Estradiol-17β (E2) | Double-Antibody RIA | 5-500 | pg/mL | Human,Rat,Mouse | S | 200 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Estradiol-17β (E2) | Ultra-sensitive RIA | 5-750 | pg/mL | Most Species | S,P | 200 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Estradiol-17β (E2) | Coat-the-Count | 20-3600 | pg/mL | Most species | S,P | 100 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Estradiol-17β (E2) | ELISA | 0-1000 | pg/mL | Most species | S,P(E) | 25 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Estrilol (E3) | EIA | 0-2000 | pg/mL | Most species | P,SA,U | 50 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Estrone (E1) | EIA | 3.3-2000 | pg/mL | Most species | P,U | 50 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Estrone (E1) | ELISA | 25-2000 | pg/mL | Most species | S,P | 100 | 60 | Contact ETSL | Contact ETSL | Contact ETSL |
| Estrone (E1) | RIA | 0-2000 | pg/mL | Most species | S,P | 50 | 60 | Contact ETSL | Contact ETSL | Contact ETSL |
| Ethinyl Estradiol (EE2) | RIA | 78-10000 | pg/mL | Most species | S,P | 200 | 450 | Contact ETSL | Contact ETSL | Contact ETSL |
| Free Testosterone (Free T) | Coat-the-count | 0.55-50 | pg/mL | Human, Rat | S | 50 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Free Testosterone (Free T) | RIA | 0-100 | pg/mL | Most species | S | 50 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Ghrelin (Human) | RIA | 10- 2000 | pg/mL | Human | S,P | 100 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Ghrelin (Rat/Mouse) | ELISA | 0.1-10 | ng/mL | Rat, Mouse | S,P | 20 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Glucagon | RIA | 20-400 | pg/mL | Mammals | S,P,M | 100 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Glucose | Colorimetric | 0-250 | mg/dL | Multi-species | S,P,U | 5 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Growth hormone (GH) | ELISA | 0-100 | ng/mL | Rat, Mouse | S | 50 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Growth hormone (GH) (Rat) | RIA | 0.5-50 | ng/mL | Rat | S,P,M | 100 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Inhibin-A (Inh-A) | ELISA | 0-1000 | pg/mL | Most species | S,P | 50 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Inhibin-B (Inh-B) | ELISA | 10-1000 | pg/mL | Human | S | 50 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Insulin | RIA | 0-300 | µIU/mL | Multi-species | S,P | 100 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Insulin | ELISA | 0-300 | ng/mL | Multi-species | S | 25 | 60 | Contact ETSL | Contact ETSL | Contact ETSL |
| Insulin (Human) | RIA | 2-200 | µU/mL | Human | S,P,M | 100 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Insulin (Rat) | RIA | 0.1-10.0 | ng/mL | Rat | S,P,M | 100 | Contact ETSL | Contact ETSL | Contact ETSL | Contact ETSL |
| Insulin (Sensitive Rat) | RIA | 0.02-1.0 | ng/mL | Rat | S,P,M | 100 | Contact ETSL | Contact ETSL | Contact ETSL | Contact ETSL |
| Insulin-like growth factor (IGF-1) | ELISA | 0-600 | ng/mL | Most species | S,P(E) | 50 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Insulin-like growth factor (IGF-1) (Mouse/Rat) | ELISA | 25-3000 | ng/mL | Mouse | S,P,M | 100 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Leptin (Mouse) | RIA | 0.2-20 | ng/mL | Mouse | S,P,M | 100 | 200 | Contact ETSL | Contact ETSL | Contact ETSL |
| Leptin (Primate) | RIA | 0.5-50 | ng/mL | Primate | S,P,M | 100 | 200 | Contact ETSL | Contact ETSL | Contact ETSL |
| Leptin (Rat) | RIA | 0.5-50 | ng/mL | Rat | S,P,M | 100 | 200 | Contact ETSL | Contact ETSL | Contact ETSL |
| Levonorgestrel (LNG) | RIA | 23-1500 | fmol/tube | Most species | S,P | 50 | 450 | Contact ETSL | Contact ETSL | Contact ETSL |
| NAD and/or NADH | ELISA | 0-1000 | nmol/L | Most species | CT | 50 | 60 | Contact ETSL | Contact ETSL | Contact ETSL |
| Pregnenolone | EIA | 0.1-25.6 | ng/mL | Most species | S | 50 | 60 | Contact ETSL | Contact ETSL | Contact ETSL |
| Progesterone (P4) | RIA | 0-60 | ng/mL | Most species | S,P | 25 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Progesterone (P4) (17α-OH) | ELISA | 0-20 | ng/mL | Most species | S,P | 50 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Progesterone (P4) | EIA | 7.8-1000 | pg/mL | Multi-species | P | 50 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Prolactin (Rat) | ELISA | 5.0-80.0 | ng/mL | Most species | S | 25 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Prostate-specific antigen (PSA) | ELISA | 100-100000 | pg/mL | Primate | S,P,M | 100 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Quantikine HS | High Sensitivity ELISA | 0.125-8.0 | pg/mL | Human | S,P | 150 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Serotonin (5-HT) | RIA | 15-2500 | ng/mL | Primate | CSF | 25 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Serotonin (5-HT) | ELISA | 0-19.8 | ng/mL | Primate | CSF | 50 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| 5-Hydroxyindoleacetic acid (5-HIAA) | ELISA | 0.4-55 | mg/L | Primate | CSF | 20 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Testosterone (T) | RIA | 0.05-25.0 | ng/mL | Most species | S,P | 50 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Testosterone (T) | EIA | 3.9-500 | pg/mL | Multi-species | S | 50 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Testosterone (T) | ELISA | 0.1-25 | ng/mL | Most species | S | 50 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Triglyceride | Enzymatic | 0-200 | mg/dL | Multi-species | S,P,U | 10 | Usually unlimited | Contact ETSL | Contact ETSL | Contact ETSL |
| Uric Acid | Colormetric | 0-30 | mg/dL | Primate | S,U | 5 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |
| Vasopressin direct | EIA | 4.1-1000 | pg/mL | Primate | S,P | 100 | 80 | Contact ETSL | Contact ETSL | Contact ETSL |

ETSL Remarks:

The above rates start on October 1st, 2009 and end on September 30, 2010. Rates of individual assays may be adjusted according to reagent costs. Subsequent annual rate changes include a 3-5% increase in labor.

All rates are based on single determination for each sample per hormone. A 25% discount is offered for duplicate determinations with in-house assays only, e.g., \$6.5/single, \$9.75/duplicates

Commercial kits restricted by capacity and shelf-life require a minimal number of detections to cover the cost. Delay processing for sample accumulation may apply, or additional charges may be requested.

The ETSL may modify the rates and offer quotes for contract bidding for external and industrial clients on competitive basis, as long as the extra work does not affect our internal services

External clients pay addition 65% for indirect costs, and industrial users pay the 65% indirect costs and additional capital investment charges.

Abbreviations:

C=Culture Medium; CSF=Cerebral Spinal Fluid ; CT=Cell Tissue; S=Serum; SA=Saliva; P= Plasma; P(E)=Plasma with EDTA; P(H)=Plasma with Heparin; U=Urine