

- Testosterone plays a key role in the development of male reproductive tissues, and it promotes secondary sexual characteristics such as increased muscle, bone mass, and the growth of body hair.
- In the absence of testosterone stimulation, spermatogenesis does not proceed beyond the meiosis stage.
- It is essential for health and well-being, preventing osteoporosis, and plays a significant role in glucose homeostasis and lipid metabolism.
- Metabolic syndrome is a clustering of risk factors predisposing to type 2 diabetes, atherosclerosis, and cardiovascular morbidity and mortality.
- Observed in most vertebrates but fish make a slightly different form called 11-ketotestosterone, and in insects its counterpart is ecdysone.

DetectX® TESTOSTERONE ELISA KITS (K032-H1/H5/H1W/H5W)

MULTI
SPECIES

This DetectX® Testosterone ELISA Kit uses a specifically generated antibody to measure testosterone and its metabolites in urine and extracted fecal samples, as well as extracted serum and plasma.

- **Non-invasive measurement of** testosterone and dihydrotestosterone
- **Sample Types:** fecal extracts, urine, and TCM or extracted serum and plasma
- **Standard Range:** 10,000-40.96 pg/mL
- **Measure up to 39 or 231** samples in duplicate
- 4° stable reagents

DetectX® TESTOSTERONE ELISA KITS - Improved Sensitivity (K080-H1/H5/H1W/H5W)

MULTI
SPECIES

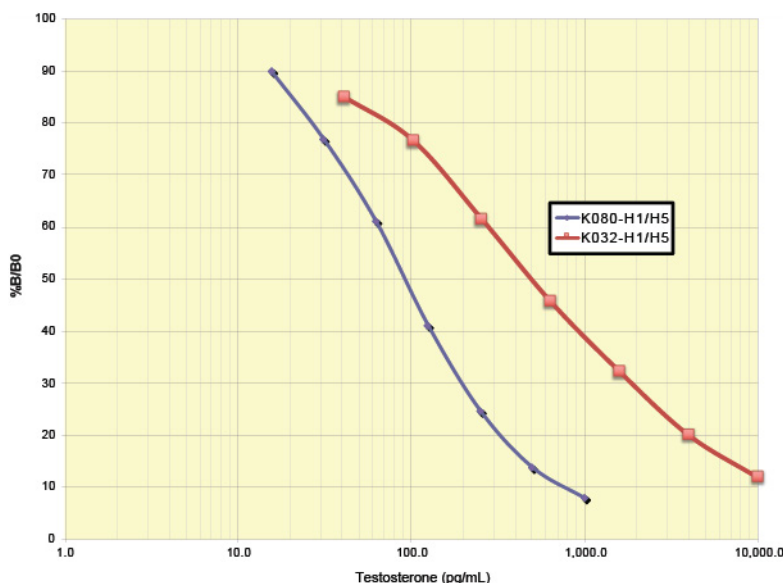
Our new DetectX® Testosterone ELISA Kit uses a sheep monoclonal antibody to offer improved sensitivity when compared to our non-invasive Testosterone ELISA K032 H1/H5 Kits.

- **No** extraction needed for serum and plasma
- **Sample types:** serum, plasma, urine and dried fecal extracts
- **Sensitivity:** 2.97 pg/mL
- **Standard Range:** 1,000-7,813 pg/mL
- **Measure up to 38 or 230** samples in duplicate
- 4° stable reagents

DetectX® Testosterone ELISA Kits Comparison

Features	K032-H1/H5/H1W/H5W	K080-H1/H5/H1W/H5W
Use	Non-invasive measurement of testosterone and dihydrotestosterone	No extraction needed for serum and plasma
Antibody	Rabbit polyclonal	Sheep monoclonal
Sample Types	fecal extracts, urine, and TCM, as well as extracted serum and plasma	serum, plasma, urine and dried fecal extracts
Standard Range	10,000-40.96 pg/mL	1,000-7,813 pg/mL
Sensitivity	9.92 pg/mL	2.97 pg/mL
Limit of Detection	30.6 pg/mL	9.48 pg/mL
Precision	Intra-Assay CV (5.7%, 11.1%, 15.8%) Inter-Assay CV (6.2%, 11.2%, 10.5%)	Intra-Assay CV (4.1%, 4.9%, 7.0%) Inter-Assay CV (7.5%, 10.9%, 7.3%)

Standard Curves



RELATED DetectX® KITS

- Androstenedione ELISA Kits (**K070-H1/H5**)
- Cortisol ELISA Kits (**K003-H1/H5/H1W/H5W**)
- Corticosterone ELISA Kits (**K014-H1/H5/H1W/H5W/C1/C5**)
- Creatinine Urinary Detection Kits (**K002-H1/H5**)
- DHEA-S ELISA Kits (**K054-H1/H5**)
- Estradiol ELISA Kits (**K030-H1/H5**)
- Estradiol Serum ELISA Kits (**KB30-H1/H5**)
- Estrone ELISA Kits (**K031-H1/H5**)
- Estrone-3-Glucuronide (E1G) ELISA Kits (**K036-H1/H5**)
- Progesterone ELISA Kits (**K025-H1/H5/H1W/H5W**)
- Progesterone Metabolites ELISA Kits (**K068-H1/H5**)
- PGFM ELISA Kits (**K022-H1/H5**)