Androgenic hormones, such as testosterone, affect the growth, size, and reproduction of many male organisms. In teleost fish, along with testosterone, 11-ketotestosterone plays a significant role by inducing reproductive characteristics in both males and females. In certain male fish, 11-ketotestosterone levels increase during spermatogenesis in spawning season, while in some female fish, levels increase prior to yolk deposition to regulate ovarian development. The presence and involvement of 11-ketotestosterone in other species, such as humans, have only recently been established, and this body of research is growing.

DetectX® 11-KETOTESTOSTERONE ELISA KITS (K079-H1/H5)

MULTI SPECIES

- **Measure** 11-ketotestosterone in urine or extracted fecal, serum and plasma samples
- **Time to Answer:** 2.5 Hours
- **Sensitivity:** 1.85 pg/mL
- **Standard Range:** 2,000.0-8.19 pg/mL
- **Measure** up to **39 or 231 samples** in duplicate
- **4°C** stable reagents
- **Low cross-reactivity with other androgens**

RELATED DetectX® KITS

- Androstenedione ELISA Kits **(K070-H1/H5)**
- DHEA-S ELISA Kits **(K054-H1/H5)**
- Estradiol ELISA Kits **(K030-H1/H5)**
- Estradiol Serum ELISA Kits **(KB30-H1/H5)**
- PGFM ELISA Kits **(K022-H1/H5)**
- Progesterone ELISA Kits **(K025-H1/H5/H1W/H5W)**
- Progesterone Metabolites ELISA Kits **(K068-H1/H5)**
- Testosterone ELISA Kits **(K032-H1/H5/H1W/H5W)**

Intra Assay Precision

Three spiked samples were diluted with Assay Buffer and run in replicates of 20 in an assay. The mean and precision of the calculated 11-ketotestosterone concentrations were:

Sample	11-Ketotestosterone Conc. (pg/mL)	%CV
1	349.5	4.6
2	262.3	6.8
3	184.0	6.6

Inter Assay Precision

Three spiked samples were diluted with Assay Buffer and run in duplicates in 19 assays run over multiple days by three operators. The mean and precision of the calculated 11-ketotestosterone concentrations were:

Sample	11-Ketotestosterone Conc. (pg/mL)	%CV
1	407.4	8.2
2	299.6	6.5
3	206.4	8.0

Typical Standard Curves
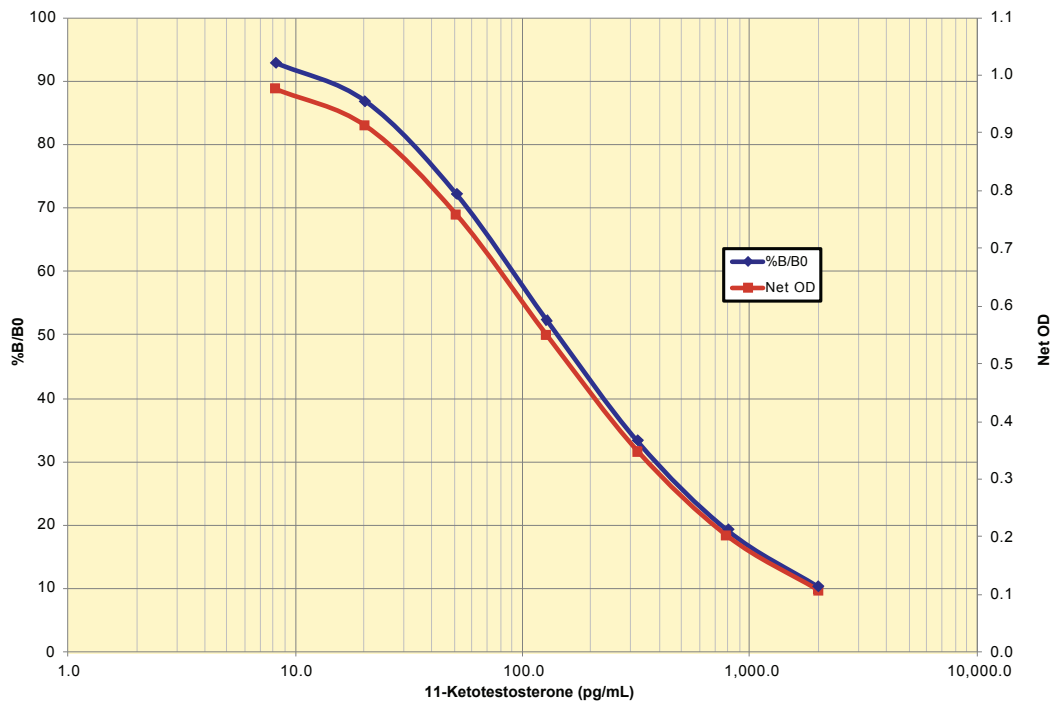
Run your own standard curve for calculation of results. Do not use this data.