



Oxytocin and the related neurohypophysial peptide, Arg⁸-Vasopressin, maintain renal water and sodium balance. It was once thought to be limited to female smooth muscle reproductive physiology and acting as a neurotransmitter. Recent studies have begun to investigate its role in behaviors, such as:

- Orgasm
- Social recognition
- Pair bonding
- Anxiety
- Maternal Behaviors
- Male physiology

DetectX[®] OXYTOCIN ELISA KITS (K048-H1/H5/H1W/H5W)



- **Consistent and reliable** assay results
- **Sensitivity:** 17.0 pg/mL
- **Sample types:** serum, plasma, saliva, clarified milk, tissue culture media
- **N-Cal Kit** calibrated standard
- **Measure up to 38 or 230 in duplicate**
- **Readout:** Colorimetric, 450 nm
- **4°C** stable reagents

DetectX[®] OXYTOCIN CHEMILUMINESCENT ELISA KITS (K048-C1/C5)



- **Over 2 times** more sensitive
- **Sensitivity:** 6.33 pg/mL
- **Sample types:** serum, plasma, saliva, clarified milk, tissue culture media
- **N-Cal Kit** calibrated standard
- **Measure up to 38 or 230 in duplicate**
- **Readout:** Glow Luminescence
- **4°C** stable reagents

RELATED DetectX[®] KITS

- 17-Hydroxyprogesterone ELISA Kits (K053-H1/H5)
- Aldosterone ELISA Kits (K052-H1/H5/C1/C5)
- Allopregnanolone ELISA Kits (K061-H1/H5)
- Corticosterone ELISA Kits (K014-H1/H5/H1W/H5W/C1/C5)
- Cortisone ELISA Kits (K017-H1/H5/C1/C5)
- Cortisol ELISA Kits (K003-H1/H5/H1W/H5W)
- Estrone ELISA Kits (K031-H1/H5)
- Estrone-3-Glucuronide (E1G) ELISA Kits (K036-H1/H5)
- Estradiol ELISA Kits (K030-H1/H5)
- Estradiol Serum ELISA Kits (KB30-H1/H5)
- Levonorgestrel (LNG) ELISA Kits (K058-H1/H5)
- PGFM ELISA Kits (K022-H1/H5)
- Prolactin ELISA Kit (K040-H1)
- Progesterone ELISA Kits (K025-H1/H5/H1W/H5W)
- Testosterone ELISA Kits (K032-H1/H5/H1W/H5W)

Check our website for **MORE** related kits!

DetectX® OXYTOCIN ELISA KITS (K048-H1/H5/H1W/H5W)

Intra Assay Precision

Two samples were diluted with Assay Buffer and run in replicates of 20 in an assay. The mean and precision of the calculated Oxytocin concentrations were:

Sample	Oxytocin Conc. (pg/mL)	%CV
1	1,391.0	5.2
2	193.8	4.3

Inter Assay Precision

Two samples were diluted with Assay Buffer and run in duplicates in 17 assays run over multiple days by four operators. The mean and precision of the calculated Oxytocin concentrations were:

Sample	Oxytocin Conc. (pg/mL)	%CV
1	1,334.0	7.7%
2	205.7	10.0%

DetectX® OXYTOCIN CHEMILUMINESCENT ELISA KIT (K048-C1/C5)

Intra Assay Precision

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

Sample	Oxytocin Conc. (pg/mL)	%CV
1	1,265.1	6.4
2	176.8	6.9
3	16.6	28.1

Inter Assay Precision

Three samples were diluted with Assay Buffer and run in duplicates in 14 assays run over multiple days by four operators. The mean and precision of the calculated Oxytocin concentrations were:

Sample	Oxytocin Conc. (pg/mL)	%CV
1	1,350.5	7.4%
2	202.5	8.1%
3	28.8	18.6%