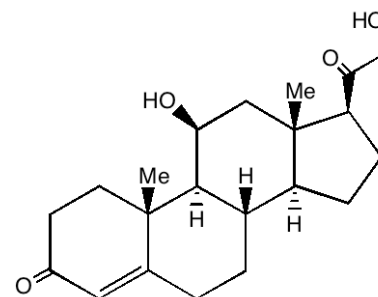




DetectX[®] Corticosterone ELISA Kits



- Corticosterone is a glucocorticoid secreted by the cortex of the adrenal gland and is produced in response to stimulation of the adrenal cortex by ACTH
- A major indicator of stress and is the major stress steroid produced in non-human mammals
- Glucocorticoids guide fundamental processes associated with converting sugar, fat, and protein stores to usable energy, inhibiting swelling and inflammation, and suppressing immune responses following a stress event
- Corticosterone is believed to play a decisive role in sleep-wake patterns

DetectX[®] CORTICOSTERONE ELISA KITS (K014-H1/H5/H1W/H5W)



Our DetectX[®] Corticosterone ELISA Kit is the only assay on the market that measures corticosterone in as little as 2 µL of serum or plasma in just 90 minutes. Our corticosterone ELISA and chemiluminescent assays are the industry's gold-standard with, nearly 300 citations and counting in high-impact, peer-reviewed journal articles.

- **Multi-format** - standard range:
 - 50 µL format from 10,000 to 39.06 pg/mL
 - 100 µL format from 5,000 to 19.53 pg/mL
- **Measure** corticosterone in as little as 2 µL sample
- **Sensitivity:**
 - 20.9 pg/mL in 50 µL format
 - 17.5 pg/mL in 100 µL format
- **Variety of sample types:** serum, plasma, saliva, urine, fecal extracts, and tissue culture media
- **Cited** in over **300 publications**

RELATED DetectX[®] KITS

- Adrenocorticotrophic Hormone (ACTH) ELISA Kits (**K072-H1/H5**)
- Aldosterone ELISA Kits (**K052-H1/H5**)
- Aldosterone Chemiluminescent ELISA Kits (**K052-C1/C5**)
- Cortisol ELISA Kits (**K003-H1/H5/H1W/H5W**)
- Corticosterone Chemiluminescent ELISA Kits (**K014-C1/C5**)
- Cortisone Chemiluminescent ELISA Kits (**K017-C1/C5**)
- Cortisone ELISA Kits (**K017-H1/H5**)
- Hemoglobin Colorimetric Detection Kit (**K013-H1**)
- Hemoglobin High Sensitivity Colorimetric Detection Kits (**K013-HX1/HX5**)

Intra Assay Precision - 50 µL Assay Format

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

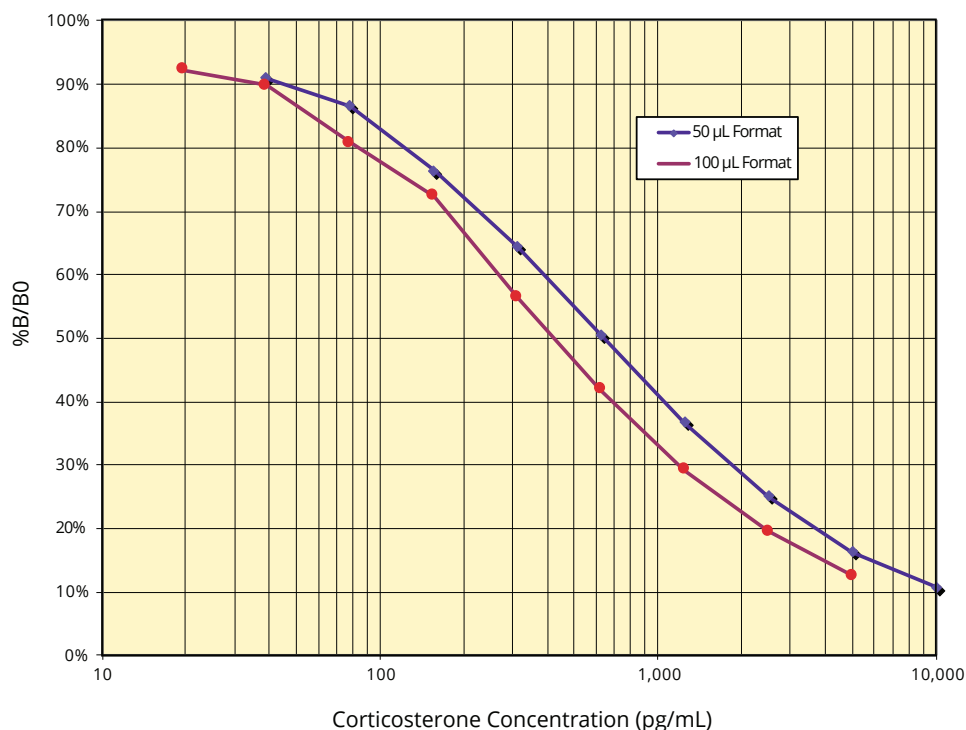
Sample	Corticosterone Conc. (pg/mL)	%CV
1	2,460.6	6.3
2	601.5	6.5
3	371.6	3.1
4	259.0	4.8

Inter Assay Precision - 50 µL Assay Format

Three human 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 corticosterone concentrations were:

Sample	Corticosterone Conc. (pg/mL)	%CV
1	2,618.3	7.5
2	630.1	6.4
3	267.9	9.9

Typical Normal Range Standard Curves



Run your own standard curves for calculation of results. Do not use this data.