DHEA ELISA kit

Highly sensitive ELISA, measuring DHEA in culture supernatants, plasma, serum, saliva, and urine from any species.

The DHEA ELISA kit is a colorimetric competitive enzyme immunoassay kit with results in 5 hours. Absorbance is read at 405 nm. This kit has low reactivity to structurally related molecules and offers sensitive measurement of DHEA in a variety of sample types.

Dehydroepiandrosterone (DHEA) is a 17-ketosteroid produced by side chain cleavage of 17-hydroxypregnenolone. DHEA is reversibly converted to its sulfate ester (DHEA-S) and Androstendiol. The human adrenal glands secrete both DHEA and DHEA-S which in turn serve as the precursors for both estrogenic and androgenic steroids. DHEA has been linked to a number of physiological conditions including depression, systemic lupus erythematosus, and rheumatoid arthritis.

Citations: 37 View Online »

Ordering Information

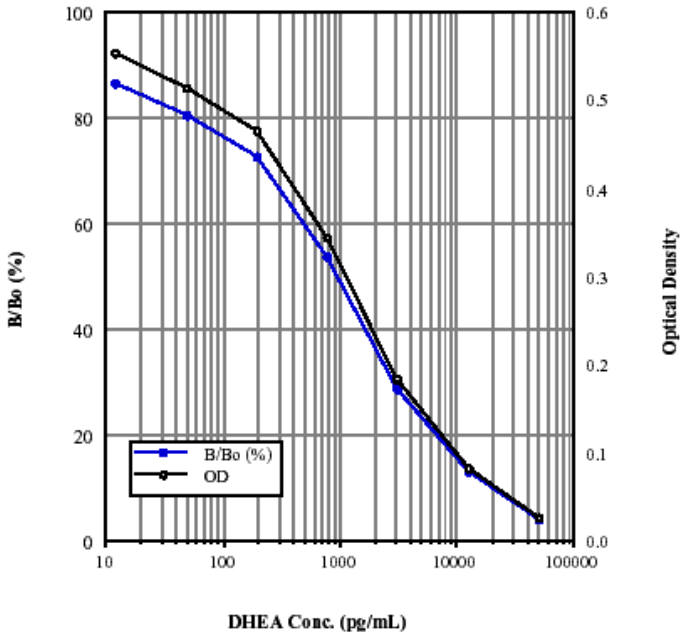
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ADI-900-093	96 wells

Manuals, SDS & CofA

View Online »

- Specific with low reactivity to structurally related molecules
- Highly reproducible with less than 9% inter- and intra-assay variation
- Highly sensitive, detecting low levels of DHEA
- Fast results for up to 37 samples in duplicate in 5 hours


B/Bo (%)
Optical Density
DHEA Conc. (pg/mL)
B/Bo (%)
OD
100
80
60
40
20
0
0.6
0.5
0.4
0.3
0.2
0.1
0.0
10
100
1000
10000
100000

Handling & Storage

Long Term Storage	+4°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Dehydroepiandrosterone
Application	Colorimetric detection, ELISA
Application Notes	For the quantitative determination of DHEA in culture supernatants, plasma, serum, saliva, and urine from any species.
Assay Time	5 hours
Compatibility	This product is compatible with the **Absorbance 96 Plate Reader**.
Contents	GxR IgG Microtiter plate, Assay buffer, Conjugate, Antibody, Wash buffer concentrate, Standard, pNpp Substrate, Stop solution
Crossreactivity	DHEA (100%), DHEA sulfate (30.0%), Androstenedione (0.73%), Androsterone (0.29%), Pregnenolone (0.28%), Testosterone (0.10%), Progesterone (0.06%), Estradiol (0.04%) and <0.02%: 20-hydroxycholesterol, Androsterone sulphate, DHEA sodium sulphate, 17-hydroxyepipregnanolone, 19-hydroxyandrostendione, 17-hydroxyprogesterone, Cortisol
Sensitivity	2.9 pg/ml (range 12.21 – 50,000 pg/ml)
Species Reactivity	Species independent
Technical Info / Product Notes	**Cited samples:** Wildlife Endocrinology: Cited Sample Types
Wavelength	405 nm

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