



## DATA SHEET

### Cortisol-3 - HRP Conjugated

**Alternate names:** Hydrocortisone

**Catalog No.:** AR00031PU-N

**Quantity:** 1 ml

**Background:** Cortisol is a corticosteroid hormone produced by the adrenal cortex that is involved in the response to stress; it increases blood pressure, blood sugar levels, may cause infertility in women, and suppresses the immune system. Synthetic cortisol, also known as hydrocortisone, is used as a drug mainly to fight allergies and inflammation.

Cortisol is synthesized from pregnenolone. The conversion involves hydroxylation of C-11, C-17, and C-21, the oxidation of C-3, and the isomerization of the C-5 double bond to C-4. The synthesis takes place in the zona fasciculata of the cortex of the adrenal glands.

**Source:** Synthetic

**Format:** State: Liquid HRP conjugated

**Purity:** Cortisol linked at the 3 CMO-position.

**Buffer System:** Tris with protein stabilizers, pH 7.0 containing 0.005% Thimerosal as preservative.

**Applications:** ELISA.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Description:** Cortisol conjugated with Horseradish Peroxidase.

**Add. Information:** Use of sodium azide as a preservative will substantially inhibit the enzyme activity of horseradish peroxidase.

**Storage:** Store the protein undiluted at 2-8°C.

DO NOT FREEZE!

**Shelf life:** one year from despatch