

## Product datasheet for **AR00031PU-N**

### Cortisol Protein

#### Product data:

Product Type:	Native Proteins
Description:	Cortisol protein, 1 ml
Protein Source:	Synthetic
Purity:	Cortisol linked at the 3 CMO-position.
Buffer:	State: Liquid HRP conjugated Buffer System: Tris with protein stabilizers, pH 7.0 Preservative: 0.005% Thimerosal Presentation Label: HRP
Preparation:	Liquid HRP conjugated
Applications:	<b>ELISA.</b>
Protein Description:	Cortisol conjugated with Horseradish Peroxidase.
Note:	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.
Stability:	Shelf life: one year from despatch.
Summary:	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.



[View online »](#)