



## Cortisol-3 [AP] (DAG2978)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

Conjugate	AP
Applications	Immunoassays
Format	Liquid
Size	1 mL
Buffer	25mM Tris-HCl, pH7.4, 1mM Mg 2 Cl, 1% BSA, 50% Glycerol
Preservative	0.05% PC300
Storage	Store at -20°C. Avoid repeated freeze/thaw cycles.

### BACKGROUND

Introduction	Cortisol is the most potent glucocorticoid produced by the human adrenal. It is synthesized from cholesterol and its production is stimulated by pituitary adrenocorticotrophic hormone (ACTH) which is regulated by corticotropin releasing factor (CRF). ACTH and CRF secretions are inhibited by high cortisol levels in a negative feedback loop. In plasma a majority of cortisol is bound with high affinity to corticosteroid binding globulin (CBG or transcotin). Cortisol acts through specific intracellular receptors and affects numerous physiologic systems including immune function, glucose counter regulation, vascular tone, and bone metabolism.
Keywords	Cortisol; Steroid hormone; 11 $\beta$ ,17 $\alpha$ ,21-Trihydroxypregn-4-ene-3,20-dione