



Testosterone-3 [HRP] (DAG1309)

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

PRODUCT INFORMATION

Product Overview	Testosterone-3, HRP conjugate
Conjugate	HRP
Applications	ELISA
Format	Liquid
Concentration	Batch dependent - please inquire should you have specific requirements
Size	1 ml
Buffer	0.05M Tris, pH 7.0
Preservative	0.005% Thimerosal
Storage	Store at 2-8°C, do not freeze

BACKGROUND

Introduction

Testosterone is a steroid sex hormone found in both men and women. In men, testosterone is produced primarily by the Leydig (interstitial) cells of the testes when stimulated by luteinizing hormone (LH). It functions to stimulate spermatogenesis, promote physical and functional maturation of spermatozoa, maintain accessory organs of the male reproductive tract, support development of secondary sexual characteristics, stimulate growth and metabolism throughout the body and influence brain development by stimulating sexual behaviors and sexual drive. In women, testosterone is produced by the ovaries (25%), adrenals (25%) and via peripheral conversion from androstenedione (50%). Testosterone in women functions to maintain libido and general wellbeing. Testosterone exerts a negative feedback mechanism on pituitary release of LH and follicle-stimulating hormone (FSH). Testosterone may be further converted to dihydrotestosterone or estradiol depending on the tissue.

Keywords

Testosterone; Hormones; 17 β -Hydroxyandrost-4-en-3-one
