Competitive Enzyme Immunoassay Kit

Buserelin

Catalog No: CEK 0100-07

Background:

Buserelin is a Gonadotropin-releasing hormone agonist (GnRH agonist). By causing constant stimulation of the pituitary, it decreases pituitary secretion of gonadotropins luteinizing hormone (LH) and follicle stimulating hormone (FSH). Like other GnRH agonists, buserelin may be used in the treatment of hormone-responsive cancers such as prostate cancer or breast cancer, estrogen-dependent conditions (such as endometriosis or uterine fibroids), and in assisted reproduction. It is normally delivered via a nasal spray but is also available as an injection.

Buserelin acetate is marketed by Sanofi-Aventis under the brand name Suprefact and a generic form of Buserelin is now produced by CinnaGen under the brand name CinnaFact.

Kit application: CEK Buserelin is a 96 wells competitive immunoassay Kit. It can be applied for the analysis of Buserelin in serum, plasma, or tissue extracts in pharmacokinetics, peptide delivery studies and other purposes.

This kit is for research use only.

Application Note: Room Temperature, 3 hours assay, 50ul sample size

Storage: 2 – 5 ° C

Detection Method: Colorimetric
Range: 0.01 – 100 ng / ml
ED$_{20}$ 0.04 ng / ml
ED$_{80}$ 2.26 ng / ml

Specificity:
Buserelin 100%
Leuprolide 100%
LH-RH 0%
Typical Data

This standard curve is provided for demonstration only. A standard curve should be generated for each set of samples assayed.