

17 α -Estradiol, HRP conjugate

DAG1181

Lot. No. (See product label)

PRODUCT INFORMATION

Product overview	17 α -Estradiol, HRP conjugate
Antigen Description	Estradiol is the most potent estrogen of a group of endogenous estrogen steroids which includes estrone and estriol. In women estradiol is responsible for growth of the breast and reproductive epithelia, maturation of long bones and development of the secondary sexual characteristics. Estradiol is produced mainly by the ovaries with secondary production by the adrenal glands and conversion of steroid precursors into estrogens in fat tissue.
Source	Natural Steroids
Conjugate	HRP
Form	concentrate
Characteristic	Each conjugate comprises antigen covalently bound to horseradish peroxide and is suitable as a tracer in immunoassay development

PACKAGING

Storage	Can be stored at 2-8°C for up to 3 months and at -20°C for longer term storage.
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BACKGROUND

Introduction	Estradiol is a sex hormone. Estradiol is abbreviated E2 as it has 2 hydroxyl groups in its molecular structure. Estrone has 1 (E1) and estriol has 3 (E3). Estradiol is about 10 times as potent as estrone and about 80 times as potent as estriol in its estrogenic effect. Except during the early follicular phase of the menstrual cycle, its serum levels are somewhat higher than that of estrone during the reproductive years of the human female. Thus it is the predominant estrogen during reproductive years both in terms of absolute serum levels as well as in terms of estrogenic activity. During menopause, estrone is the predominant circulating estrogen and during pregnancy estriol is the predominant circulating estrogen in terms of serum levels. Estradiol is also present in males, being produced as an active metabolic product of testosterone.
Keywords	Estradiol; E2; 17 β -estradiol; oestradiol; (17 β)-estra-1,3,5-triene-3,17-diol; .alpha.-Oestradiol; Almediol; Altrad; Amnestrogen; Aquadiol; Bardiol; Climara; Dihydrofollicular hormone

REFERENCES

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