Ethinylestradiol, HRP conjugate

DAG1179

Lot. No. (See product label)

PRODUCT INFORMATION

Product overview	Ethinylestradiol, HRP conjugate
Antigen Description	Ethinylestradiol is a synthetic estrogen with high oral hormonal potency. It is rapidly reabsorbed from the gastrointestinal tract and the presence of an ethinyl at the 17-position reduces hepatic first-passage metabolism. It is excreted in urine and some is found in faeces. Ethinylestradiol is illegally used in animal husbandry as an anabolic and is excreted as the parent molecule in faeces, and as glucuronide or sulphate tracer in urine.
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.

BACKGROUND

Introduction	Ethynylestradiol is a derivative of estradiol. Ethynyl estradiol is an orally bio-active estrogen used in almost all modern formulations of combined oral contraceptive pills. It is one of the most commonly used medications. The same contraindications and precautions apply for EE as with other estrogen medications. Estinyl was a preparation of EE alone that was used for the management of menopausal symptoms and female hypogonadism. EE is released into the environment as a xenoestrogen from the urine and feces of people who take it as a medication.
Keywords	Ethynylestradiol; ethynyloestradiol; ethynyl estradiol; EE; 19-Nor-17α-pregna-1,3,5-trien-20-yne-3,17-diol; 17-Ethynyl-1,3,5--oestratriene-3,17-diol; LYNORAL; NEO-ESTRONE

REFERENCES

1. Standardization of Hormone and Veterinary Drug Residue Analysis in Animal Products, Molecule Database. (http://cemu10.fmv.ulg.ac.be/OSTC/default.html). 2. Huang CH, Sedlak DL. Analysis of estrogenic hormones in municipal wastewater effluent and surface water using enzyme-linked immunosorbent assay and gas chromatography/tandem mass spectrometry. Environ Toxicol Chem. 2001, 20(1): 133-9.

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