

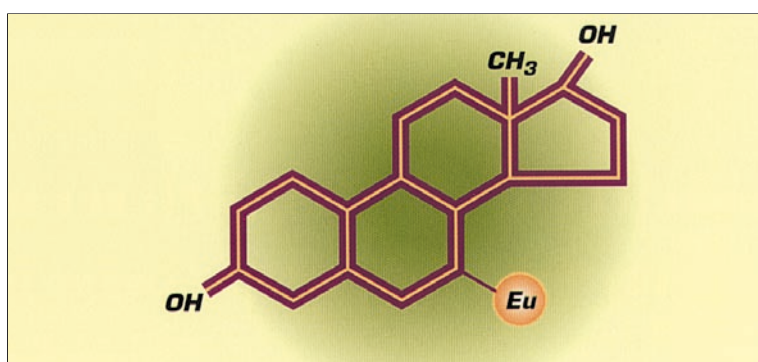


DELFLIA[®] system for measurement of reproductive hormones



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Why the DELFIA[®] system is unique for measurement of hormones



With molecular weight of only 637, the Eu-chelate used in DELFIA assays is ideal for labelling small molecules such as steroids.

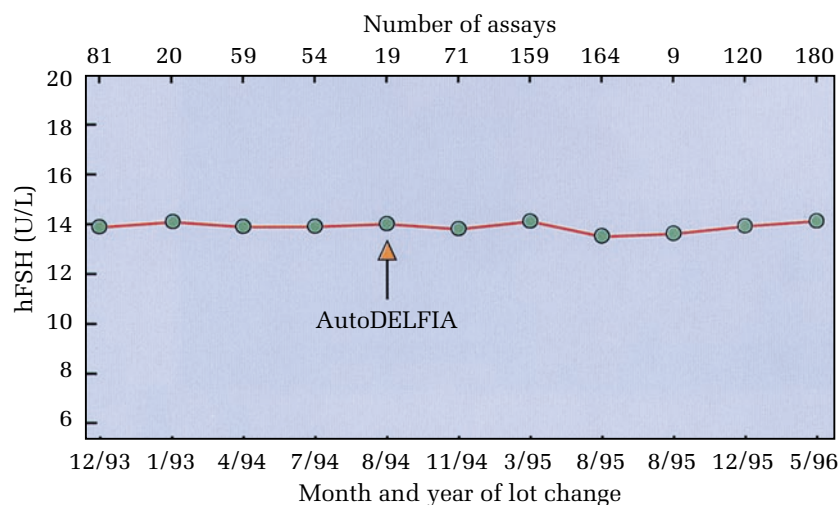
Steroids – The DELFIA[®] Technology Advantage

DELFIA – The Sensitivity Advantage

DELFIA[®] technology enables unparalleled sensitivity to be achieved with many assays.

Clinical advantage:

Onset of puberty – investigation into the onset of puberty necessitates assays with extreme sensitivity. DELFIA hLH Spec (0.05 U/L) ensures improved discrimination between constitutional factors and gonadotrophin deficiency in delayed puberty.



Using DELFIA hFISH, lot-to-lot variation has been shown to be stable over a period of many years. Data courtesy of Dr. Terje Sand, Hormone Laboratory, Aker Hospital, Oslo, Norway.

DELFIA – The Reproducibility Advantage

DELFIA assays have demonstrated their reproducibility in users' laboratories for a period of years

Clinical Advantage:

Precocious puberty – excellent reproducibility of the hLH Spec assay ensures reliable monitoring of treatment ^{1) 2)}.

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The DELFIA Advantage – Peptide assays correlate with biological activity

Great care has been taken in selecting the right antibodies to ensure high specificity and excellent correlation with biological activity ³⁾.

Clinical advantage:

hLH Spec – Studies have shown that the DELFIA hLH Spec assay detects all relevant genetic variants of LH ⁴⁾.
Prolactin – DELFIA Prolactin detects all three molecular weight classes of prolactin; recent studies indicate the clinical relevance of these ⁵⁾.

DELFIA Estradiol – from prepuberty to post-menopause

The DELFIA assay has a working range 50 - 15,000 pmol/L. Precision profile graph illustrates the excellent CV's obtained in routine use across the range of the assay.

Laboratory advantage:

All requests for estradiol can be accommodated with one assay. An IVF protocol is available to ensure rapid turn-around of results.

Clinical advantage:

Superb sensitivity provides reassurance for down regulation of patients for IVF treatment and enables diagnosis of post-menopausal status.

A complete panel for fertility and infertility

Kits for both testosterone and sex hormone binding globulin (SHBG) complete the DELFIA fertility panel. Used together, DELFIA Testosterone and DELFIA SHBG provide information about a patient's androgen status. Based on these results, the FAI (free androgen index) is a valuable estimate of the biologically active proportion of circulating testosterone.

1) Dunkel et al., Gonadal control of pulsatile secretion of luteinizing hormone and follicle-stimulating hormone in prepubertal boys evaluated by ultrasensitive time-resolved immunofluorometric assays.

J. Clin. Endocrinol. Metabolism, 70: 107-114, 1990.

2) Apter et al., Serum luteinizing hormone control concentrations increase 100-fold in females from 7 years of age to adulthood, as measured by time-resolved immunofluorometric assay.

J. Clin. Endocrinol. Metabolism, 68: 53-57, 1989.

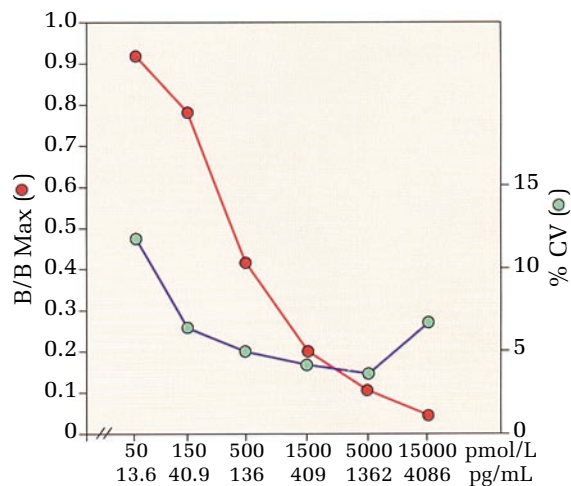
3) Madersbacher et al. Time-resolved immunofluorometry and other frequently used immunoassay types for follicle-stimulating hormone compared by using identical monoclonal antibodies.

Clin. Chem. 39:1435-1439, 1993.

4) Pettersson et al. Individual differences in lutropin immunoreactivity revealed by monoclonal antibodies.

Clin. Chem. 37:333-340, 1991.

5) Bjoro et al. Frequency of hyperprolactinaemia due to large molecular weight prolactin (150-170 kD PRL). Scand. J. Clin. Lab. Invest., 55:139-147, 1995.



DELFIA Estradiol with its shorter IVF protocol allows results while your patient waits.

The Complete Reproductive Hormone Panel

Assay	Range	DELFLIA Advantage
hCG	0.5 – 10,000 U/L	Rapid protocol for ectopic pregnancy
hLH Spec	0.05 – 250 U/L	Detects all relevant genetic variants of hLH
hFSH	0.05 – 256 U/L	Extremely reproducible assay
Prolactin	0.04 – 250 ng/mL	Measures all three molecular weight classes
Estradiol	50 – 15,000 pmol/L	Wide dynamic range – one kit for all applications
Progesterone	0.8 – 120 nmol/L	Wide dynamic range
Testosterone	0.4 – 50 nmol/L	Automated non-isotopic method
SHBG	0.5 – 200 nmol/L	Enables estimation of Free Androgen Index

AutoDELFLIA – Reproductive hormones

- System has been designed for DELFLIA assays with no compromise on the chemistry.
- System is truly walkaway with short hands-on time and unbeatable throughput.

All Wallac diagnostic products may not be available in certain countries. For information on availability please contact your local representative.



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