

FOR OUTSIDE THE US ONLY



ENDOCRINOLOGY

LIAISON[®] Fertility

Fully automated solution for the
diagnosis of fertility affecting conditions
and hormonal monitoring

DiaSorin

The Diagnostic Specialist

E LIAISON® Fertility panel

The reproductive system is the complex system of organs regulated by a network of hormones with the aim of sexual reproduction. Starting from puberty, sexual hormones regulate the production of sperm in men and of egg in women and the development of secondary sex characteristics.

Many disorders and conditions can be identified through measurement of hormonal levels. Hormonal disorders may cause virilization or hirsutism in women or sexual dysfunction in men or may be a consequence of some pathologic conditions (tumours, endometriosis, polycystic ovarian syndrome – PCOS).

Most investigations are performed to help couples with fertility problems. Up to 90% of couples achieve conception within 12 months after interruption of contraceptive use.

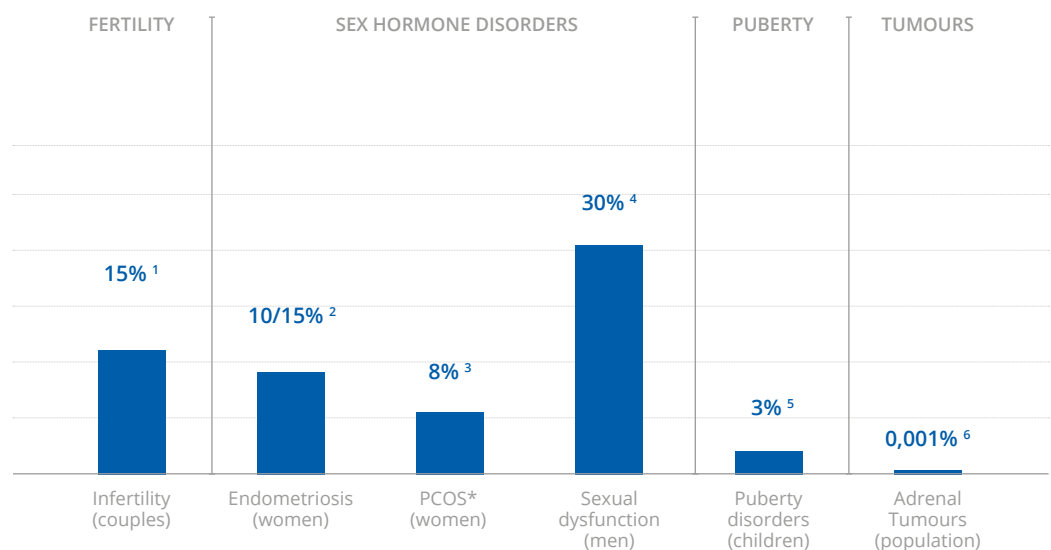
However, it is estimated that between 10 and 15 percent of couples are unable to achieve pregnancy after 12 months of trying and therefore are considered to be potentially affected by infertility.

An infertile woman may have irregular or absent menstrual periods. An infertile man may have sexual dysfunction, reduced sperm count or motility, atrophic testicles.

Infertility may be due to solely one partner or due to the combination of factors that may prevent pregnancy. Since infertility is a complex situation, a full evaluation through specific laboratory testing is needed before starting any therapy or intervention to overcome infertility.

LH, FSH, prolactin, estradiol, progesterone, HCG, testosterone, dehydroepiandrosterone (DHEA-S), androstenedione and sex hormone-binding globulin (SHBG) are the majority of test to evaluate fertility and monitoring pregnancy and to assess pathologies due to hormone disorders.

Prevalence



1. NHS UK website

2. Curr Obstet Gynecol Rep. 2017 Mar; 6(1): 34-41

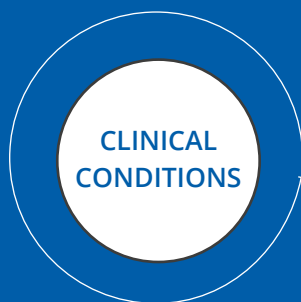
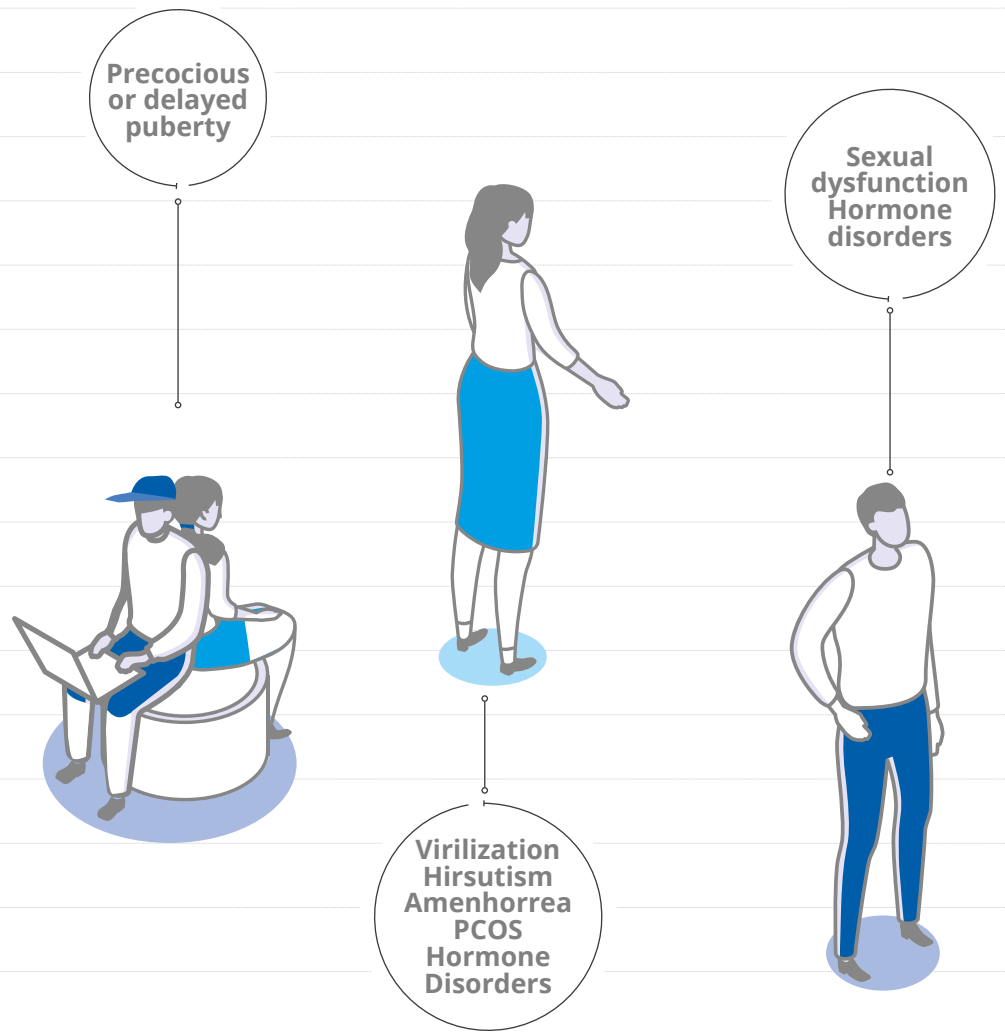
3. J Clin Endocrinol Metab. 2000; 85(7):2434-8

4. J Sex Med. 2010 Apr;7(4 Pt 1):1362-80.

5. Dtsch Arztebl Int 2009; 106(17): 295-304

6. AIRC website (Italian Foundation for Cancer Research)

Diagnosis over a lifetime



Female infertility workup

Male infertility workup

Pregnancy monitoring

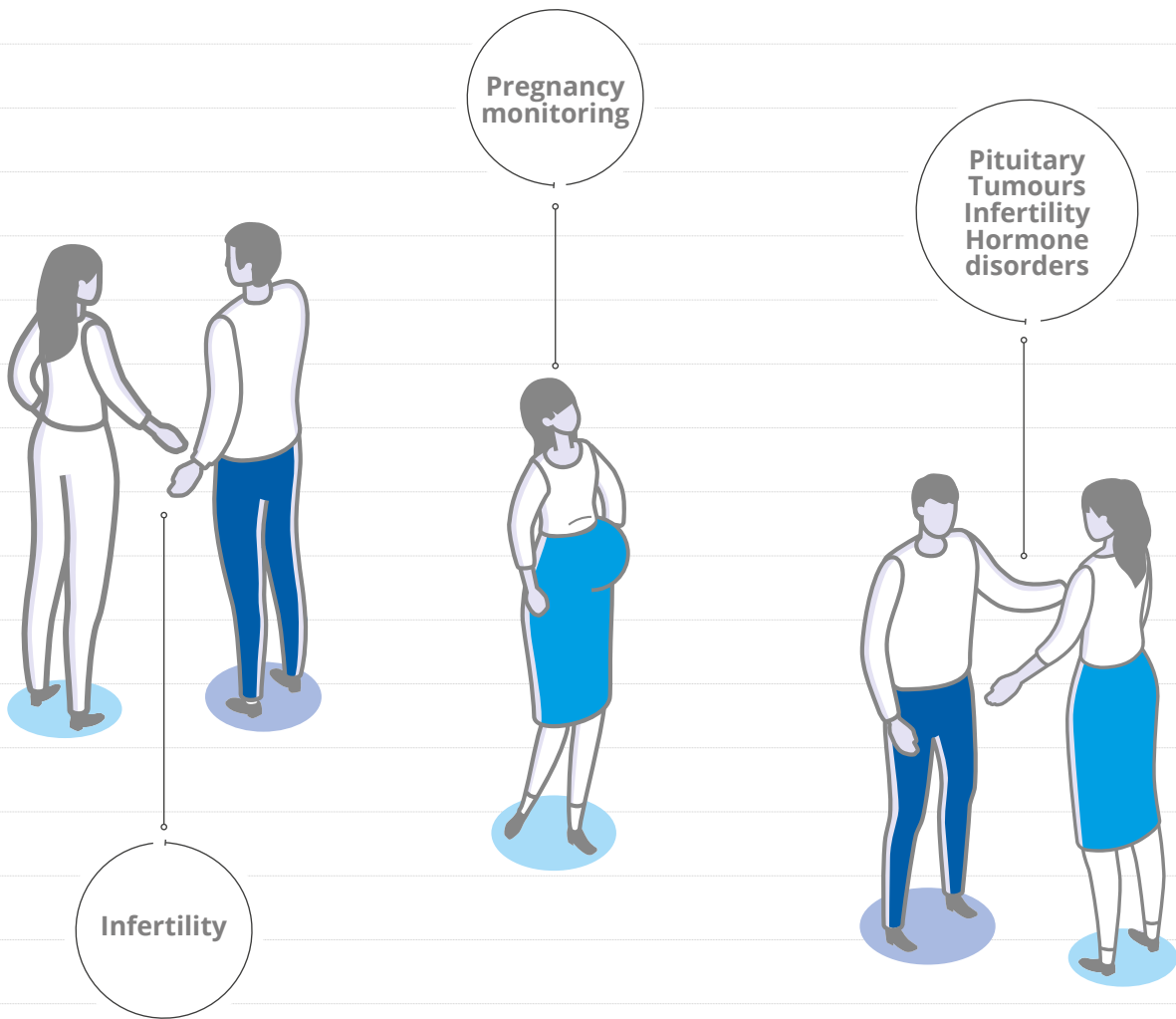
Amenhorrea

Hirsutism and virilization

Impotency, sexual dysfunction

Delayed or precocious puberty

Tumours, gland functionality



LH, FSH, Estradiol, Progesterone, Prolactin, DHEA-S, Androstenedione

LH, FSH, Prolactin, Testosterone

Progesterone, hCG

Estradiol, DHEA-S, Testosterone, Androstenedione

Testosterone, DHEA-S, Androstenedione, SHBG

Testosterone, Prolactin, SHBG

FSH, LH, Androstenedione

DHEA-S, Prolactin, Androstenedione, LH, FSH, hCG

AVAILABLE
TEST

LIAISON® Fertility panel

Androstenedione, DHEA-S, FSH, LH, HCG, Estradiol, Progesterone, Testosterone, Prolactin SHBG

LIAISON® Fertility panel is a fully automated solution for reliable assessment of reproductive disorders.



- Peptide hormone traceable to the available WHO reference standards
- Steroid hormones calibrated to LC-MS
- Excellent sensitivity and precision
- No high-dose hook effect
- Ready to use reagents
- Fully automated, high throughput assays
- Open use integral 4 weeks*

1. *SHBG and Testosterone xt open use integral is 8 weeks

E

Ordering information & Specs - Kit

LIAISON® XL HCG	code 312321
LIAISON® FSH	code 312251
LIAISON® LH	code 312201
LIAISON® Prolactin	code 312151
LIAISON® Prolactin xt	code 312171
LIAISON® Androstenedione	code 318870
LIAISON® Estradiol II Gen	code 310680
LIAISON® Progesterone II Gen	code 310690
LIAISON® Testosterone	code 310410
LIAISON® Testosterone xt	code 318410
LIAISON® DHEA-S	code 310430
LIAISON® SHBG	code 319020

Please visit: www.diasorin.com
for more information and updates

LIAISON® is a registered trademark of DiaSorin

Available on LIAISON® systems

Product availability subject to required regulatory approval

Diasorin S.p.A

Via Crescentino SNC, 13040 Saluggia (VC) - Italy
www.diasorin.com



The Diagnostic Specialist