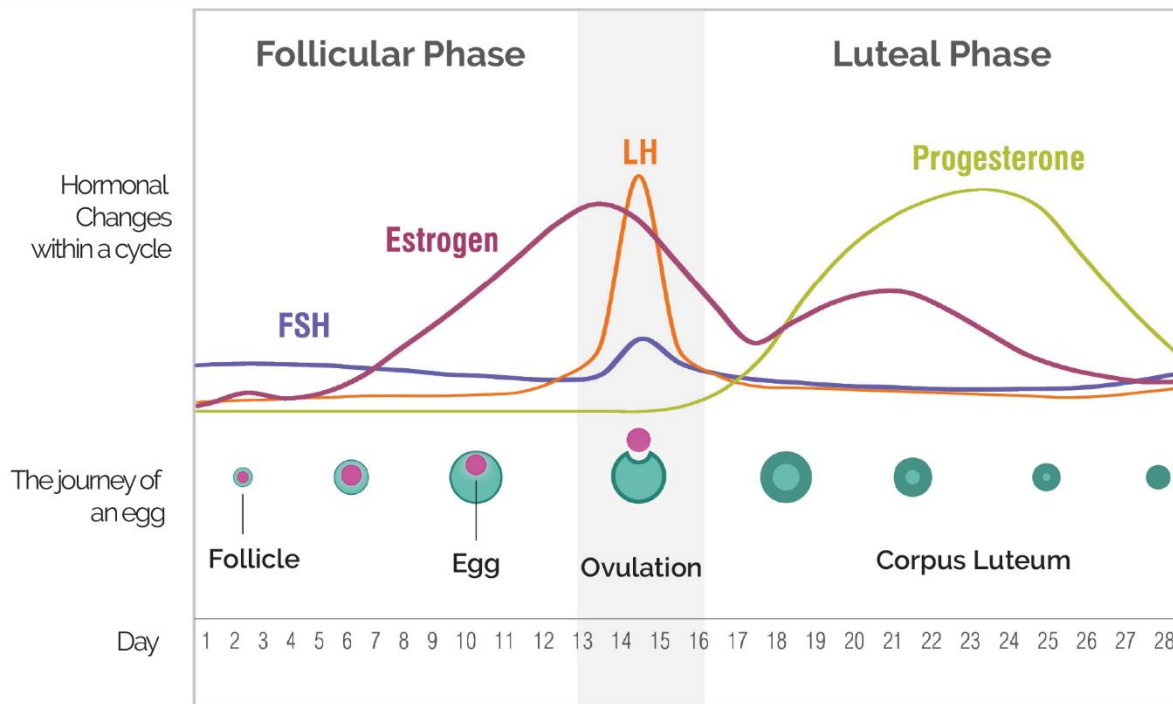


## Understanding Fertility Hormone Profile

### Unexplained Infertility

28% of cases of Infertility are unexplained! In the absence of a physical cause, many cases of female infertility may be due to something as simple as hormonal imbalance, which can be detected by hormone testing.



The secretion of hormones differs in different stages of a menstrual cycle, which would affect the chance of ovulation and fertilization. It also affects the length and volume of a cycle. Therefore, by testing the secretion pattern of hormones, the reason for infertility and irregular cycle could be found.

### Hormones issues related to weight problems

#### Low Progesterone/ Luteal Phase Defect

Progesterone is essential for preparing the uterus for implantation of a fertilized egg. In some patients, progesterone may not be produced sufficiently to sustain the pregnancy.

#### PCOS

It affects 6-15% of women. Once PCOS is recognized, many women are able to become pregnant and lose weight more effectively



### **Thyroid Disorders**

Low level of thyroid hormone may stop ovulation, leads to absent or irregular cycles. Autoimmune thyroid issues can increase the risk of miscarriage.

### **Low Egg Reserve**

It could be caused by premature ovarian failure.

### **Stress**

High cortisol level that brought by stress can inhibit ovulation, while low cortisol hinder the immune changes necessary for implantation. Stress could also lead to endometriosis, which is found in more than 50% of women with unexplained infertility.

### **Which groups are suitable for the test?**

- if you have hormonal symptoms;
- have been trying to conceive for 6+ months;
- are in your mid 30s or older;
- know infertility runs in the family;
- want to assess your fertility status

### **Source of lab test provider: HK BioTek**