

# Insulin-like Growth Factor-binding Protein 1 (iGFBP-1) Rapid Test

The IGFBP-1 Rapid Test is a rapid qualitative immunochromatographic test for the detection of phosphorylated IGFBP-1 (insulin-like growth factor binding protein-1) in cervical secretions during pregnancy.



## Methodology

Using the principle of double antibody sandwich method.



## Operation

Simple operation, easy to interpret, sampling and testing can be done at anytime.



## Detection

The detection is fast. The results can be interpreted in 10 minutes.  
Detection level is no less than 25ng/ml.



## Accuracy

High sensitivity and specificity



Hangzhou Fanttest Biotech Co., Ltd.

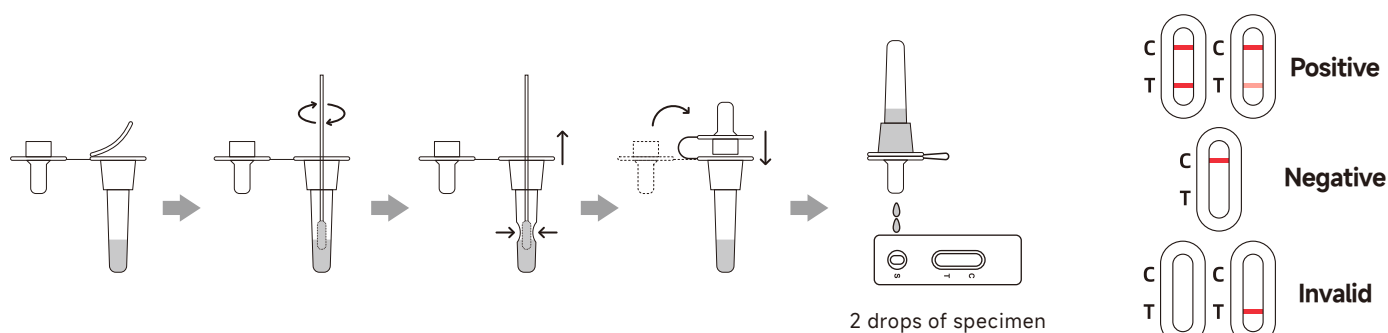
## Product background

Insulin - like growth factor - binding protein 1 (IGFBP - 1) known as placental protein 12 (PP12) is a protein that in humans is encoded by the IGFBP1 gene. IGF - binding proteins (iGFBPs) is believed to be important in the regulation of fetal and neonatal growth. We previously reported that the profiles of iGFBPs in fetal cord serum (FCS) were dependent on the growth/metabolic status of the fetus. It can be detected in cervical secretions of pregnant women with preterm uterine contractions, and whether their presence predicts an increased risk of preterm delivery. The abundance of insulin - like growth factor binding protein -1 at the maternal-fetal interface in severely preeclamptic pregnancies suggests that the binding protein may participate in the pathogenesis of the shallow placental invasion observed in this disorder. Low circulating insulin - like growth factor - I and elevated insulin-like growth factor binding protein - 1 levels may contribute to restricted placental and therefore fetal growth.

## Intended use

The IGFBP-1 Rapid Test is a rapid qualitative immunochromatographic test for the detection of phosphorylated IGFBP-1 (insulin-like growth factor binding protein-1) in cervical secretions during pregnancy. The test is intended for use by health care professionals as an aid in the diagnosis of premature rupture of amniotic membranes (prom) in pregnant women where prom is suspected.

## Operation steps and result interpretation



- **Positive (+):** Two purple-red bands appear. One is located in the detection area (T), and the other is located in the quality control area (C).
- **Negative (-):** Only a purple-red band appears in the quality control area (C). There is no purple-red band in the detection area (T).
- **Invalid:** There is no purple-red band in the quality control area (C).

## Product information

Product name	Specimen	Format	Pack/box	Shelf life	Storage temperature	Certificate
Insulin - like Growth Factor - binding Protein 1 (iGFBP - 1) Rapid Test	Cervicovaginal Swab	Cassette	25T	24months	2-30°C	CE