

# POC

Juno Genetics offers a test that sheds light on the cause of miscarriage. The test examines chromosomes in cells from the embryo/fetus or associated tissues, called products of conception (POC).



## 10-40%

Miscarriage can affect 10-40% of pregnancies, depending on female age. An incorrect number of chromosomes, known as 'aneuploidy', is the most common cause of miscarriage and may explain two-thirds to three quarters of all pregnancy losses.

## 25%



25% of clinical pregnancies miscarry.

## >60%



At least two thirds of miscarriages are chromosomally abnormal.

## BENEFITS OF POC TESTING

### BEST-IN-CLASS ACCURACY



Results obtained from 99% of samples

### FASTER



Results provided within 7-10 days

### NO MATERNAL CONTAMINATION



No false negative results due to maternal contamination

## How is POC testing performed at Juno Genetics?

Traditional methods for examining chromosomes in POC samples have several problems. Cells have to be grown in the lab, which takes time, delaying results. Additionally, a significant number of POC samples fail to grow and therefore no result can be obtained. On other occasions, cells from the mother are present in the POC sample and outgrow the embryo/fetal cells, so that the final result obtained reflects the cells of the mother (normal female) rather than the cells of the embryo/fetus. This leads to unreliable results in about 20% of traditional POC tests.

The method of analysing POC samples used by Juno Genetics does not suffer from these problems because it avoids the need to grow cells in the lab. Furthermore, Juno Genetics carries out an extra genetic test to confirm that the cells tested are from the embryo/fetus and not from the mother.

## Process



Receive the kit and collect the sample (POC+maternal blood)



Fill out request form



Sample sent to Juno Genetics



Results in 10 working days

Your partners in genetic health

**JUNO**  
GENETICS

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