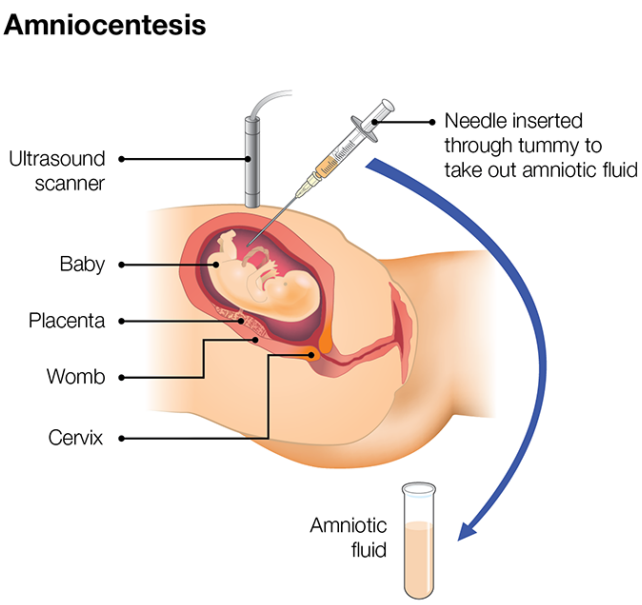
Amniocentesis (QF-PCR test)

We have given you this factsheet because we would like to offer you a diagnostic test called an amniocentesis. It explains what an amniocentesis is, what the test involves, what the possible benefits and risks are for you and your baby, and what your options are if your baby is found to have a chromosomal condition.

This factsheet aims to support the discussions you will have with us and your midwife. It is important that you take time to consider your options and ask any questions you may have before you decide whether or not having an amniocentesis is the right choice for you.

What is an amniocentesis?

An amniocentesis is a diagnostic test which involves us removing a small sample of amniotic fluid (the fluid which surrounds your baby) and testing it for certain chromosome differences. We usually perform this test at around 16 weeks of pregnancy.



Why am I being offered an amniocentesis?

An amniocentesis is an optional test. We will offer you this test if an earlier screening test has suggested that you have a higher chance of having a baby with chromosome differences, such as Down's syndrome (trisomy 21), Edward's syndrome (trisomy 18) or Patau's syndrome (trisomy 13).

Are there any risks?

Miscarriage

The main risk associated with amniocentesis is miscarriage (losing your baby in the first 23 weeks). Approximately one in every 200 women who have an amniocentesis will miscarry. The exact cause of miscarriage after an amniocentesis is unknown, but it may be caused by factors such as infection, bleeding or damage to the amniotic sac that surrounds your baby.

Due to the risk of miscarriage, you may wish to discuss the procedure with your partner, or a close friend or family member before making your decision. We will also be happy to discuss this with you and can recommend support groups available to you.

How should I prepare for the procedure?

Blood tests

Before the procedure, you must have had the following blood tests:

- Blood group – This test will ensure we give you (with your consent) an appropriate amount of anti-D if you are rhesus D negative. For more information about this, please speak to your midwife or obstetrician.
- Screening for HIV and hepatitis B infections – This test will ensure we take appropriate precautions to minimise the risk of transmission to your unborn baby, if the presence of these infections is known.

Food and fluids

- You can eat and drink as normal before and after the procedure.
- You will need a comfortably full bladder for the procedure.

Ultrasound scan

We will carry out an ultrasound scan before the procedure to measure your baby and check the position of your placenta.

What will happen during the procedure?

We will begin the procedure by cleaning your abdomen. We will then usually inject a local anaesthetic into the skin of your abdomen. Throughout the procedure, we will check the position of your baby using an ultrasound scan. Once the area of skin is numb, we will insert a fine needle through your abdomen and into your uterus (womb). Using the needle, we will remove a small sample (about 20ml/four teaspoons) of the amniotic fluid surrounding your baby. We will send this fluid to a laboratory for analysis. We will continue to use the ultrasound scan to monitor the wellbeing of your baby for a short time after the procedure.

What will happen after the procedure?

We recommend that someone drives you home after the procedure.

You will be able to return to a normal level of daily activity as soon as you feel able to do so. There is no evidence to support the need to rest in bed or avoid strenuous activity.

After the procedure, you may experience some mild discomfort for which you can take paracetamol. Contact the fetal medicine team or your local maternity hospital immediately if you experience any of the symptoms below:

- severe pain
- bleeding
- loss of vaginal fluid
- flu-like symptoms

What will happen to the amniotic fluid sample?

We will send the sample of amniotic fluid to the laboratory for analysis, where a QF-PCR test will be performed.

The QF-PCR test is able to identify some extra chromosomes, such as those found in Down's syndrome (Trisomy 21), Edward's syndrome (Trisomy 18) and Patau's syndrome (Trisomy 13).

Results

The QF-PCR result will usually be available two to three working days after the laboratory has received the sample.

We will contact you by telephone with the results. If an anomaly is identified, you will have the opportunity to discuss your options with us and your midwife. You will also be offered information and support from support groups outside the health service.

You may wish to continue with your pregnancy. Alternatively, you may wish to consider adoption or termination of pregnancy. No one can make this difficult decision for you. It is important to think through your options very carefully and come to a decision that is right for you.

Contact us

If you have any further questions or would like to discuss having an amniocentesis in more detail, please do not hesitate to contact us.

Fetal medicine team
Telephone: **023 8120 6025**

Useful links

Antenatal Results and Choices (ARC)
Website: **www.arc-uk.org**

The Down's Syndrome Association
Website: **www.downs-syndrome.org.uk**

Support Organisation for Trisomy 13/18
Website: **www.soft.org.uk**

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For help preparing for your visit, arranging an interpreter or accessing the hospital, please visit **www.uhs.nhs.uk/additionalsupport**

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