

Pre-Implantation Genetic Testing (PGT-A)

in IVF treatment



Care

[carefertility.com](https://www.carefertility.com)



PGT-A uses next-generation sequencing technology to assess embryos’ genetic health, increasing the likelihood of pregnancy per transfer and **reducing the risk of miscarriage**

Pre-implantation genetic testing for Aneuploidy (PGT-A)

PGT-A, or preimplantation genetic testing for aneuploidy, is a genetic test performed on embryos produced through IVF. PGT-A gives information about the genetic health of an embryo to help your clinic team select only the healthy embryos for transfer, improving your chances of achieving a successful pregnancy.

PGTai 2.0

The PGTai 2.0 plus platform provides an even greater level of embryo testing to make results more personal, as it can tell us whether an abnormality arises from the egg or sperm. Knowing if it’s an egg or sperm problem can help concentrate efforts to improve egg or sperm quality before starting a new cycle if possible. Or it can help when making a decision to use donor eggs or donor sperm for treatment.

Main benefits at a glance

- PGT-A testing can help identify the embryos with the best chance of developing into a baby. PGT-A testing can’t change the number of viable embryos available for transfer but, by transferring only those that have the correct number of chromosomes, the time taken to establish a pregnancy can be shorter and the stress of failed cycles and possible miscarriage can be reduced.
- Where patients have undergone multiple rounds of IVF and have no explanation for the treatment failure, PGT-A testing can sometimes provide answers and help with decisions about future treatment options.

Care’s own data shows that clinical pregnancy rates (CPR) are higher after performing PGT-A and transferring euploid embryos.

In the year to 30 September 2019, CPR per embryo transfer across patients of all ages following PGT-A was 49% [1] compared with 38% in non PGT-A cycles.[2]

Benefits exclusive to Care Patients

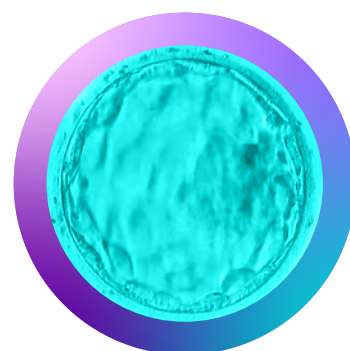
- A clear and straightforward pricing approach which makes PGT-A more cost effective
- Time lapse imaging with **Caremaps** is included. This provides a video of embryo development and information which can further enhance outcomes
- Specially trained doctors to provide you with specialist PGT-A advice
- The PGTai 2.0 platform uses two independent methods to test embryos, plus artificial intelligence to identify the embryos with the correct number of chromosomes. It is hoped that will make results more accurate and objective. Current data is supportive of this with a recent US study showing that the likelihood of having a live birth is improved with the PGTai 2.0 platform.

[1] Based on 573 single euploid embryo transfers resulting in 281 pregnancies with a foetal heartbeat

[2] Based on 2645 embryo transfers resulting in 1016 pregnancies with a foetal heartbeat



Who can benefit from Pre-implantation Genetic Testing (PGT-A)



How PGT-A works

PGT-A works by looking at the amount of genetic material within embryos which have been developed during an IVF treatment. This genetic material is housed within structures called chromosomes.

Each cell of an embryo contains 23 chromosomes from the sperm and 23 from the egg. If there are an incorrect number of copies of each chromosome (aneuploidy), this can lead to implantation failure or miscarriage. PGT-A allows us to analyse the cells from an embryo to check for the correct number of chromosomes before they are transferred to the womb.

Embryos with the incorrect number of chromosomes (called aneuploid embryos) typically do not result in a successful pregnancy or may lead to the birth of a child with a genetic condition.

Embryos with the correct number of chromosomes (called euploid embryos) have a better chance of leading to a successful pregnancy.

PGT-A identifies embryos with the correct number of chromosomes, so your clinic team can select the embryo with the best chance of leading to IVF success.

PGT-A is suitable for all patients, but in particular:

- People who want to achieve a quicker route to pregnancy
- Patients who have experienced recurrent miscarriages of unknown cause or anyone who has been through previous unsuccessful IVF treatment
- A high number of people who have been in the position where they feel that their only option is to give up and then have PGT-A, in many cases they manage to have a baby

In addition:

- Where the female partner is 36 years of age or older
- Patients who have had a previous child or pregnancy diagnosed with a genetic condition
- People who produce many embryos may choose to screen them all (we know that up to 50% of embryos in any one cycle may be chromosomally abnormal). This will result in fewer transfers if we know we are only transferring euploid embryos.



Pre-implantation Genetic Testing (PGT-A) Fees

Initial fee

This includes **Caremaps**, biopsy and set up fee **£1,225**

Additional fee per embryo tested **£315**

Refund information

From the **£1,225** set up fee:

- i) 100% will be refunded if there are no eggs collected or fertilised
- ii) A partial refund of **£350** if there are no viable embryos to biopsy
- iii) A partial refund of **£360** if there are embryos to biopsy but you decide not to go ahead with PGT-A testing

Prices updated: January 2021.



Our clinics

Main clinics

Bath

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Birmingham

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Chester

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Dublin

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Leeds

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If you have any questions or would like to book a consultation, call our dedicated patient enquiry team on **0800 564 2270**

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Care babies

With love from Care
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