prepair™ genetic carrier screening

What is *prepair* carrier screening?

prepair carrier screening is a genetic test for you and your reproductive partner to find out if you are carriers for a genetic condition.

Being a carrier usually does not affect your own health, but may affect your children.

Anyone can be a carrier for a genetic condition, even if no one in their family has that condition. [1]

Why might I have carrier screening?

prepair carrier screening helps you understand your chance of having children with an inherited genetic condition.

When can I have carrier screening?

Genetic carrier screening is ideally done before you get pregnant. Having this information before pregnancy allows you to consider your reproductive options (e.g. IVF and pre-implantation genetic diagnosis).

Carrier screening can also be done during early pregnancy. Couples with an increased chance of having children with an inherited genetic condition can then choose to have diagnostic testing. This can tell you if your pregnancy has the genetic condition.

[1]*Archibald, A. D., et al (2018). Reproductive genetic carrier screening for cystic fibrosis, fragile X syndrome, and spinal muscular atrophy in Australia: outcomes of 12,000 tests. Genetics in Medicine, 20(5), 513-523.*

How does carrier screening work?

Carrier screening can be done using a saliva or blood sample. Testing will identify whether you have an increased chance of having children with an inherited genetic condition.

prepair has three screening options:

***prepair* 3 carrier screening**

This test looks at three commonly inherited genetic conditions in our population.

- Cystic fibrosis (CF)
- Fragile X syndrome (FXS)
- Spinal muscular atrophy (SMA)

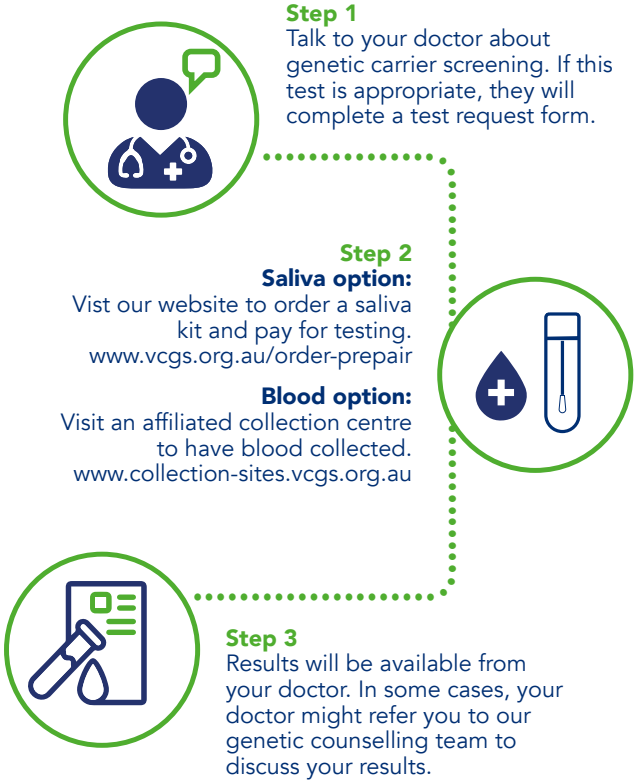
***prepair* 500+**

This test looks at over 500 genes, including genes for CF, FXS, SMA.

***prepair* 1000+**

This is our most comprehensive screening option. It looks at over 1000 genes associated with more than 750 conditions, including CF, FXS, SMA.

How do I arrange testing?



prepair genetic carrier screening

Compare test options

	prepair 3 *(3 genes)*	*prepair* 500+ *(over 500 genes)*	*prepair* 1000+ *(over 1000 genes)*
Who is tested?	Biological mother usually screened first.	Both biological parents screened together.	Both biological parents screened together.
How long does it take?	2 weeks*	6-8 weeks	5-6 weeks*
How much does it cost?	$389^ (partner testing is free if required)	Approx $1200/ couple	$2200/couple
When is testing done?	Ideally before 12 weeks pregnancy.	Ideally before 8 weeks pregnancy.	Ideally before 8 weeks pregnancy.
Who performs the test?	VCGS in Melbourne	Overseas partner in USA#	VCGS in Melbourne
Why choose this option?	Suitable for all individuals. For people who want to know their chance of having children with the three common inherited conditions.	Suitable for any couple (also available for individuals). Useful for couples who want information about a wider range of genetic conditions.	Suitable for any couple. Useful for couples who want as much information as possible from carrier screening.

* From when the laboratory receives your sample(s).

^ In some cases, there may be a Medicare rebate available.

prepair 500+ is a package offered by VCGS. Testing is performed by an overseas partner, with additional genetic interpretation, clinical support and genetic counselling provided by VCGS in Melbourne

Key things to know

- You can be a carrier of a genetic condition even if no one in your family has that condition.
- Most people get reassuring results. This means there is a low chance of having a child with one of these conditions.
- Even with a low chance result however, there remains a small chance of having children with a genetic condition.
- If you and your partner are found to have an increased chance of having children with a genetic condition, our genetic counselling team will guide you through your options.

More information

Comprehensive information about carrier screening is available on our website.

You can also contact our genetic counselling team with any queries, before or after testing.

Pregnancy screening team: (03) 9936 6402

Carrier screening website

https://www.vcgs.org.au/prepair-carrier-screening

Blood collection site

To find a blood collection site please vist https://collection-sites.vcgs.org.au/

VCGS leaders in genetic health

VCGS Prenatal Testing Team
Murdoch Children's Research Institute

Flemington Road, Parkville VIC 3052
P +61 1300 118 247 **F** (03) 8341 6366
E carrierscreening@vcgs.org.au **W** vcgs.org.au