Our Carrier Screen includes up to
301 rare disorders
and is appropriate for those of all ethnicities. This screen includes all disorders recommended by the American College of Obstetricians and Gynecologists (ACOG) and the American College of Medical Genetics (ACMG). The discorders screened include:

- Alpha & Beta Thalassemia
- Cystic fibrosis
- Spinal muscular atrophy (SMA)
- Fragile X syndrome
- Hemophilia
- Total 301 serious genetic discorders

Please inquire you doctor for the complete gene list.

GROKEN™ BIOSCIENCE | 高勤生命科技有限公司 GROKEN BIOSCIENCE

GROKEN BIOSCIENCE LTD

A pioneering biotechnology company based in Hong Kong dedicated to providing highest quality clinical test services to Hong Kong and Asia Pacific regions.

www.grokenbioscience.com

Enquiry Hotline: HK (852) 5933 9305
MO (853) 6545 3135

Jointly provide with: INVITAE

CAP: 7519312
CLIA: 05D2013691

GROKEN™ BIOSCIENCE

TESTED IN U.S.A.

Preconception Expanded Carrier Screening

American O&G College Recommended[1]

Australia and New Zeland O&G College Recommended[2]

"A Test That Should Be Offered To All Women"

International Accreditations :

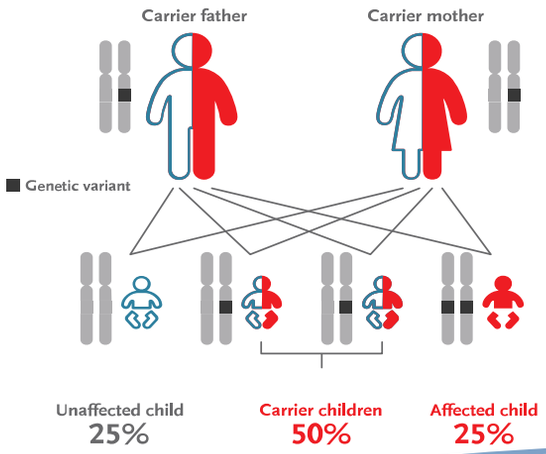
ABMGG American Board of Medical Genetics and Genomics

CAP ACCREDITED™

Clinical Laboratory Improvements Amendments

What is recessive inheritance disease?

Every person has two copies of most genes, one inherited from each parent.
A carrier is someone who has only one gene with a mutation (a change in a person's genes) and one gene that is unaffected.
A recessive inheritance disease occurs when both copies of the same gene have a mutation.
When two parents are carriers of the same genetic disease, each child has a significantly higher chance of having that disease.



What is expanded carrier screening?

When you are pregnant or planning to become pregnant, you want everything to go right. While most babies are born healthy, with every pregnancy there is a small chance of having a baby with a genetic disorder. With carrier screening you can learn your risk for passing on an inherited genetic disorder to your child. This information allows you to make informed reproductive choices.

The importance of expanded carrier screening

Inherited genetic diseases collectively accounts for:

80% of babies born with inherited genetic diseases are born to couples with no known family history of that disease.

10% of pediatric hospitalisations,
Most importantly....

20% of infant mortality,
Expanded carrier screening could indentify your carrier risk before your pregnancy, giving you time to learn about the disease and get advise from your physcian for the best pregnancy guide.

Who should consider carrier screening?

American College of Obstetricians and Gynecologists and **The Royal Australian and New Zealand College of Obstetricians and Gynecologists** recommened that **all women** who are planning a pregnancy or being pregnant should be offered carrier screening. [1,2]And for the accuracy of the test, we also suggest couple should do the test together.

1. ACOG Commmittee Opinion Number 691, March 2017
2.RANZCOG,Genetic Carrier Screening (C-Obs 63), March 2019

Our Unique Strengths:

International Standard:
The 301 genetic disorders panel of our carrier screening is developed and validated based on the ***American College of Medical Genetics (ACMG)*** guideline for carrier screening.

Quality Assurance:
All samples are processed with the highest standards of quality, accuracy and consistency in the ***College of American Pathologists (CAP) and Clinical Laboratory Improvement Amendments (CLIA)*** certified laboratory which located in the ***USA.***

High Accuracy:
Proprietary database and pipelines are used to analyze the sequencing data and can be reported with ***>99% sensitivity and specificity.***

Professional Report:
All the results are interpreted by ***American Board of Medical Genetics and Genomics (ABMGG)*** certified doctoral level clinical geneticist.

Simple and Fast:
All we need is saliva or blood sample and results will be ready in 14 - 21 days on average.