



EXPERIENCE THE POWER OF CLINICAL GENETIC TESTING

PORTUGAL . USA . SPAIN

www.cgcggenetics.com

NOVEMBER 2017





ABOUT CGC GENETICS

25 YEARS OF EXPERIENCE IN MEDICAL GENETICS

CGC Genetics is one of Europe's leading laboratories in Clinical Genetics and a leader in Medical Genetics tests in Portugal. It has also facilities in Spain and the USA.

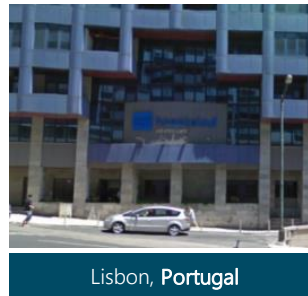
MISSION

For 25 years our main goal has been to provide the healthcare community with the most advanced diagnostic tools in Medical Genetics, using vanguard technologies and strict quality policies.

INTERNATIONAL REFERENCE LAB IN GENETICS

More than 3,800 entries in Genetics test directories (Orphanet, Genetic Testing Registry (NCBI) and GeneTests), and the exclusive provider of diagnostic tests for some rare diseases.





A man and a young boy are standing in a lush green field, flying a large, colorful kite. The kite has a rainbow-colored body and a long yellow tail. The man, wearing a blue t-shirt and plaid shorts, is holding the string, while the boy, wearing a yellow t-shirt and blue shorts, is also reaching up to hold it. The sky is bright blue with scattered white clouds.

QUALITY AND AWARDS

Working daily to be an international reference

EXTERNAL QUALITY CERTIFICATIONS

Since 2015	National program for the external evaluation of laboratory quality (Portugal)
Since 2014	Cytogenomic External Quality Assessment Service
Since 2014	Clinical Laboratory Improvement Amendments (CLIA) - CERTIFICATION
Since 2009	RD&I Certification
Since 2009	State of California – Clinical Laboratory License
Since 2008	Fetal Medicine Foundation
Since 2007	Clinical Laboratory Improvement Amendments (CLIA) - REGISTRATION
Since 2006	Cytogenetic European Quality Assessment
Since 2004	ISO # 9001
Since 2004	Cystic Fibrosis European Network
Since 2003	Quality Control for Molecular Diagnosis
Since 2002	European Molecular Biology Quality Network
Since 2001	Quality control from Asociación Española de Diagnóstico Prenatal
Since 1997	Spanish and Portuguese group - International Society of Forensic Genetics
Since 1995	United Kingdom National External Quality Assessment Scheme in Clinical Cytogenetics

- | | |
|------|--|
| 2016 | <ul style="list-style-type: none"> SME Excellence status 2015 (3 years) Initiative of IAPMEI SME Leader GOLD status (8 consecutive years) Initiative of IAPMEI |
| 2015 | <ul style="list-style-type: none"> SME Leader GOLD status (7 consecutive years) Initiative of IAPMEI APPLAUSE Prize 2015 Initiative of Millennium BCP |
| 2014 | <ul style="list-style-type: none"> SME Leader GOLD status (6 consecutive years) Initiative of IAPMEI APPLAUSE Prize 2014 Initiative of Millennium BCP |
| 2013 | <ul style="list-style-type: none"> Sustainable Health Award Initiative of <i>Jornal de Negócios</i> and Sanofi SME Leader status 2013 Initiative of IAPMEI |
| 2012 | <ul style="list-style-type: none"> SME Leader status 2012 Initiative of IAPMEI Hospital of the Future Awards 2011/2012 2nd Place in "Biotechnology" Degree of Grand Officer of the Industrial Merit Order to Professor Purificação Tavares
Awarded by His Excellency the President of the Portuguese Republic Prof. Aníbal Cavaco Silva |
| 2011 | <ul style="list-style-type: none"> SME Excellence status 2011 Initiative of IAPMEI Hospital of the Future Awards 2010/2011 <ul style="list-style-type: none"> 1st Place in "Biotechnology" 2nd Place in "Quality Category" - Certification Emerging Innovative Business Award
- Attributed by the Portuguese American Chamber of Commerce of New Jersey |
| 2010 | <ul style="list-style-type: none"> Honorable Mention at the Hong Kong International Dental Expo and Symposium – HKIDEAS – Award
- Poster "Effects of Rapid Maxillary Expansion in Down Syndrome Children" SME Leader status 2010 Initiative of IAPMEI Awards New North Winner of the Category "North Entrepreneur" Prize Orlando Leitão – Portuguese Society of Neurology
Attributed to the work "New punctual mutation in the gene of the peripheral protein myelin 22 with focal neurophysiologic expression" Hospital of the Future Awards 2009/2010 <ul style="list-style-type: none"> 3rd Place in "Biotechnology" 2nd Place in Quality Category - Certification Emerging Entrepreneur Of The Year Ernst & Young Entrepreneur Of The Year - finalist |



ARRAY CGC, A TOOL FOR THE WORLD





OUR CLIENTS

Committed to Excellence

- **HOSPITALS**

CGC Genetics offers genetic testing to all medical specialties both to public and/or private healthcare, working with prestigious hospitals in different countries who demand a superior quality.

- **LABORATORIES**

CGC Genetics serves both clinical or genetic laboratories all over the world.

- **MEDICAL INSURANCES**

In Portugal and Spain CGC Genetics collaborates with most health insurance companies.



RECEIVING SAMPLES EVERY DAY FROM MORE THAN 60 COUNTRIES



- **Dedicated customer service** helps clients select the most appropriate clinical genetic test and assists in the interpretation of the results.
- **Team of 5 Medical Geneticists**
- **CGC Genetics has ALL available technologies** for the most recent genetic diagnostics
- **Competitive pricing**
- **Innovation** through new diagnostic products
- **Rapid flexibility to customize** multiplex panels:
 - Clinically relevant
 - Cost effective



The background of the slide features a close-up, slightly blurred image of laboratory glassware. In the foreground, several clear glass test tubes are visible, each containing a small amount of orange-red liquid. Below the test tubes, a pink microplate with numerous circular wells is partially visible. The overall lighting is soft and clinical, with a focus on the scientific nature of the equipment.

WHAT WE DO

Focus on prevention by early genetic diagnostics

CLINICAL DEPARTMENT
5 Medical Geneticists

OUR LABORATORIES

MOLECULAR DIAGNOSTICS

CLINICAL GENOMICS

CYTOGENETICS

ANATOMIC PATHOLOGY

PRENATAL SCREENING

- Our labs currently offer a large portfolio of **over 4.000 genetic tests**
- CGC Genetics has the **capacity to participate in Clinical Trials** coordinated by **major pharmaceutical companies**



MORE THAN 4000 GENETIC TESTS FOR ALL MEDICAL SPECIALTIES

- Pediatrics
- Obstetrics
- Prenatal Screening
- Gynecology
- Hematology
- Oncology
- Cardiology
- Endocrinology
- Reproductive Medicine
- Infertility
- Otorhinolaryngology
- Gastroenterology
- Rare Diseases
- Pharmacogenomics
- Pneumology
- Obesity
- Nephrology
- Neurology
- Ophthalmology
- Dental Medicine
- Medical Genetics



CGC GENETICS HAS ALL AVAILABLE TECHNOLOGIES FOR
THE MOST RECENT GENETIC DIAGNOSTICS



A background image showing a row of pipettes with blue tips and a grid of microplates with yellow wells, creating a laboratory setting.

OUR SERVICES

New Diagnostic Approaches in
Clinical Genetics

ARRAY CGH

CGC Genetics, with 25 years of experience in cytogenetics, provides chromosomal microarray analysis using the most comprehensive and robust technology available (CytoScan®, Affymetrix®).

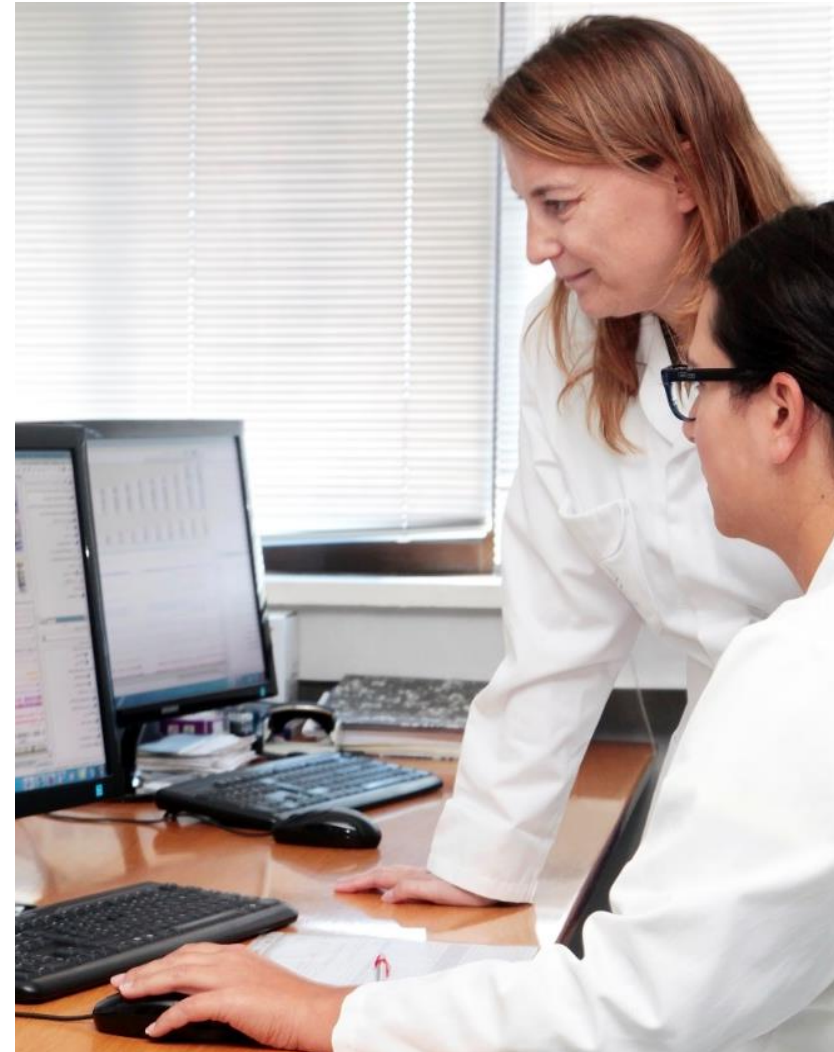
OFFERING TWO DIFFERENT RESOLUTIONS:

- CytoScan® 750K (750.000 markers)
- CytoScan™ HD (2.700.000 markers)

ADVANTAGES

CGC Genetics offers higher analytical resolution with clinical interpretation by our Medical Geneticists.

This convergence of resources meets the most complete quality programs corresponding to European **gold standard** in the field of Medical Genetics.



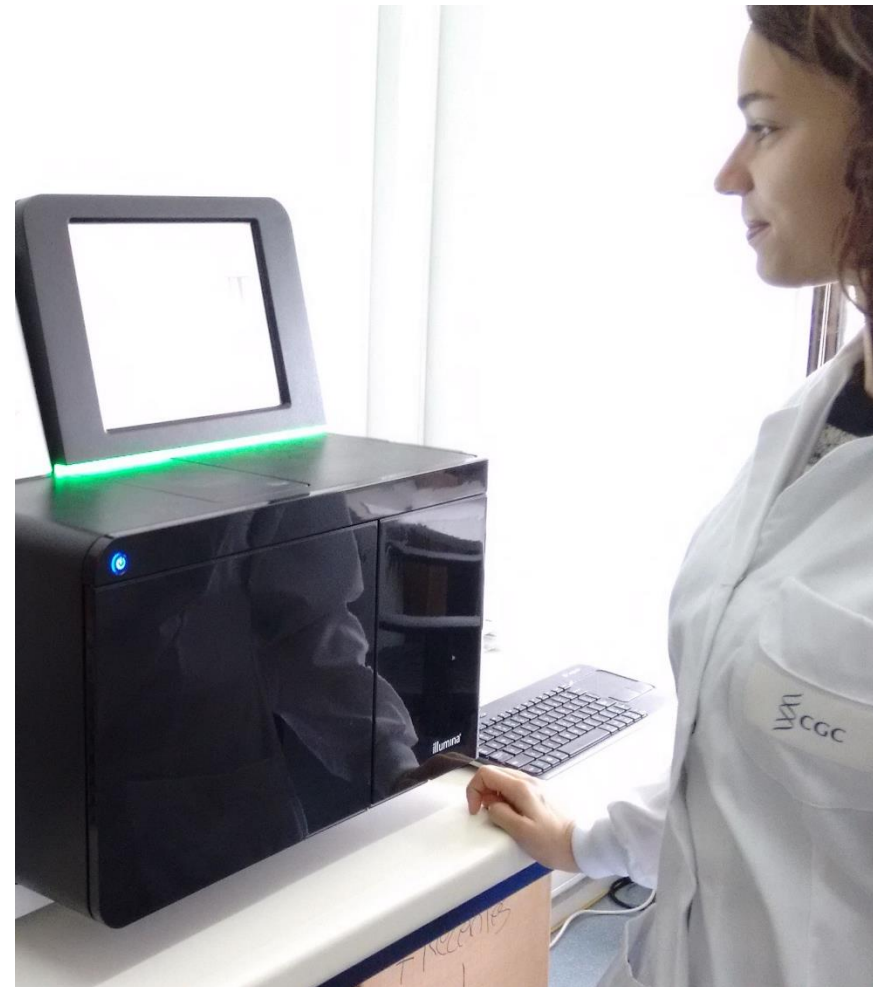
NGS

Next generation sequencing (NGS) allows the sequencing analysis, in a single test, of a gene, several genes (panel) or the whole exome.

ADVANTAGES

- Higher sequencing capacity
- Higher quality, speed and performance
- Comprehensive diagnostic panels
- Reduced turnaround time for large genes

Offering more than 250 NGS Panels for all medical specialties.



DISEASE EXOME

Disease Exome by CGC Genetics is a sequencing panel that screens **6.000 clinically relevant genes**.

This panel is a diagnosis tool for patients with a complex or unclear phenotype.

ADVANTAGES

- High diagnostic yield
- Targets clinically relevant genes
- Excellent coverage of analyzed genes

WES BY CGC GENETICS (WHOLE EXOME SEQUENCING)

Whole Exome Sequencing, which analyzes the entire exome with sequencing of about 20 000 genes; using the most advanced technology available.

The thousands variants detected are analyzed integrating the clinical phenotype.

CGC Genetics recommends **WES TRIO**, i.e., performing WES in both the patient and the parents.

ADVANTAGES

- Solves complex diagnostic cases
- Maximum diagnostic yield currently available
- Identification of new disease causing genes

Reports with clinical interpretation and integration of the results by our Specialists in Clinical Genetics
Confirmation of causal variants by Sanger sequencing
Short Turnaround Time





NIPT – NON INVASIVE PRENATAL TEST

TOMORROW PRENATAL TEST

New test CGC Genetics that detects as early as **10 weeks of pregnancy**:

- T21 (DOWN SYNDROME)
- T18 (EDWARDS SYNDROME)
- T13 (PATAU SYNDROME)
- Fetal Gender Identification
- Sex chromosome aneuploidies:
Monosomy X, XXX, XXY, XYY

ADVANCED TECHNOLOGY

Maternal and fetal circulating DNA fragments, present in maternal blood, are analyzed through **Next Generation Sequencing** (NGS) technology.

Afterwards, the number of sequences correspondent to each chromosome are aligned and analyzed through a complex bioinformatic analysis.





INTEGRATION OF LABORATORIAL RESULTS

SUPPORT TO THE ORDERING PHYSICIAN AND CLINICAL INTEGRATION OF LABORATORIAL RESULTS

CGC Genetics has a Clinical Department with 5 Specialists in Medical Genetics.

More than 80 highly qualified geneticists work in our laboratories.

Laboratory results are interpreted by medical geneticists that assess the clinical relevance of the genetic variants found.



CHECK THE UPDATED TEST CATALOGUE ONLINE

www.cgcgenetics.com



TOMORROW WEBSITE AVAILABLE

Find comprehensive test information for expecting parents and for healthcare professionals.

You can also visit on your mobile and tablet!

www.tomorrowtest.com





INTERNATIONAL
customercare@cgcgenetics.com

PORTUGAL
dcc@cgcgenetics.com

SPAIN
clientes@cgcgenetics.com

USA
info@cgcgenetics.com

FOR MORE INFORMATION
PLEASE VISIT OUR WEBSITE

www.cgcgenetics.com

