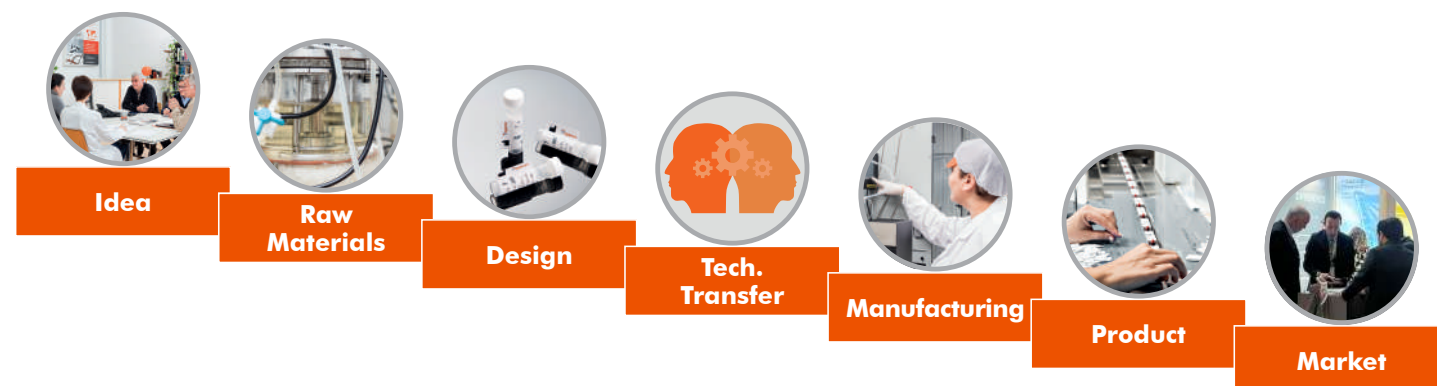


OPERON was established as a private Research and Development (R&D) laboratory in the field of Immunochemistry. Nowadays, we are producing and exporting our immuno and molecular in vitro diagnostic products to more than 50 countries all over the world.

4000 square meters laboratories and manufacturing facilities located close to Zaragoza (Spain)

## THE VALUE CHAIN



All our know how is available as a service

A wide experience, which goes back to 1973, supports the quality of our products



**operon**  
immuno & molecular  
diagnostics

### Our know-how makes YOUR difference.

With more than 50 years of experience, we are a pioneer IVD company certified to the quality management system standards ISO 13485.

Our know-how enables us to comply with the most exigent international IVD regulations, and our products are CE marked.

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[www.operondx.com](http://www.operondx.com)



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## ► raw materials

MAbs:  
**Adenovirus**  
**AFP**  
**ALP (Alkaline Phosphatase)**  
**Biotin**  
**Core HCV**  
**Digoxigenin**  
**FITC (Fluorescein isothiocyanate)**  
**HBsAg**  
**hCG**  
**Hemocyanin**  
**HRP-Peroxidase**  
**Human Hb**  
**Human Ig's**  
**p24 HIV**  
**PSA**  
**RSV**  
**Rabbit IgG**  
**Rotavirus**  
**TAMRA**

rAgs:  
**HIV-1 gp41**  
**HIV-2 gp36**  
**Human t-TG**  
**T. Cruzi 1F8**  
**T. Cruzi MACH**

### MAbs:

Development of hybridomas and MONOCLONAL ANTIBODIES production.

High affinity constant, specificity and stability.

7 bioreactors allow a large-scale production up to grams.

### rAgs:

Bacteria transformation and RECOMBINANT ANTIGENS production.

Purity >90%, high immunoreactivity and stability.

Fermentor with great productivity.



## ► rapid tests

Gastrointestinal:  
**Rotavirus**  
**Rotavirus-Adenovirus**  
**Norovirus (GI, GII)**  
**Rotavirus-Adenovirus-Norovirus (GI, GII)**  
**G. lamblia**  
**C. parvum**  
**G. lamblia-C. parvum**  
**E. histolytica**  
**G. lamblia-C. parvum-E. histolytica**  
**C. difficile, GDH antigen**  
**C. difficile, toxins A and B**  
**C. difficile, GDH and toxins A/B**  
**H. pylori**  
**C. jejuni-C. coli**  
**H. pylori-Transferrin**  
**Calprotectin**

Respiratory:  
**RSV**  
**Influenza**  
**Adenovirus**  
**RSV-Influenza**  
**RSV-Adenovirus**  
**L. pneumophila**  
**S. pneumoniae**  
**S.pneumoniae-L. pneumophila**  
**Streptococcus, group A**  
**SARS-CoV-2/Influenza**

Food intolerances:  
**Celiac disease (tTG)**  
**Celiac disease (tTG and gliadins)**

Tumor markers:  
**Prostate specific antigen**  
Food analysis:  
**Milk adulteration**  
Other:  
**Pregnancy**  
**\*\*Hepatitis B**

OPERON is a pioneer IVD company for lateral flow test technology (human diagnostics and food industry analysis). For more than 30 years, we have been designing, developing, producing and commercialising our rapid tests around the world.

Mainly focused on gastrointestinal and respiratory panels, among others like celiac disease detection.

### HIGHLIGHTS

- Positive controls available
- Basic/Ready to use kits
- Multiplexing
- CE-IVDR marked (\*\*except Hepatitis B).
- Test device reader.

### Lateral Flow Reader

Possibility of automatic reading with the OPERON lateral flow reader:

- Real Multiplexing Capability
- Easy to use
- Reliable and robust
- Connectivity



## ► molecular diagnostics

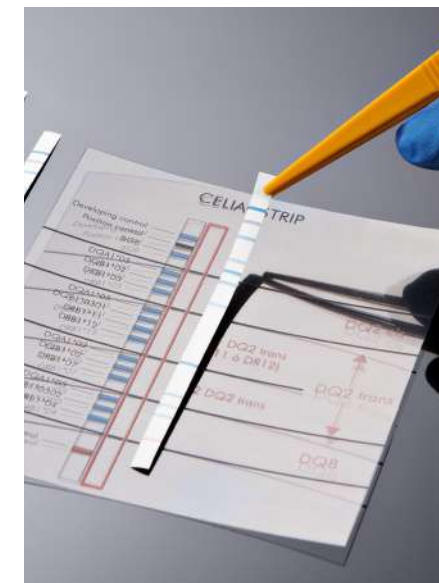
**opegen**  
by operon

### PCR + Hybridization on strip

During hybridization process, the probes specifically bind to DNA fragments amplified during PCR. As final result of the test, a band pattern is obtained which is interpreted with the aid of a template included in the kit.

### HIGHLIGHTS

- Up to 24 lines per strip.
- Manual or automated use.
- Scanner reading available.
- Internal controls included.
- 2-8°C transport and storage.



### PCR real time

For detection, the kit takes advantage of the 5' exonuclease activity of DNA polymerase. During amplification, the enzyme hydrolyses the probe that is attached to its complementary DNA sequence, thereby separating the fluorophore and quencher from the probe, leading to an increase in fluorescence signal proportional to the amount of target DNA. The increase in fluorescence is monitored throughout the different amplification cycles in real-time with PCR equipment.

### HIGHLIGHTS

- External and endogenous internal controls included.
- No extraction needed in some products.
- Several validated thermocyclers.
- 2-8°C transport.



Hereditary diseases  
**Hemochromatosis**  
**Thrombosis**  
**Y chromosome microdeletions**

Food intolerances  
**Celiac Disease**  
**Lactose Intolerance**

HLA alleles  
**HLA B27**  
**HLA B5701**

Pathogens associated with STD  
**High Papillomavirus**  
**High + Low Papillomavirus**  
**STDs PANEL**

Respiratory infections  
**Streptococcus pneumoniae serotyping**  
**Respiratory Bacterial Panel**

Respiratory infections:  
**SARS-CoV-2 (2 genes)**  
**SARS-CoV-2 (3 genes)**  
**SARS-CoV-2 -RSV-Influenza**  
**Bordetella pertussi/parapertussi/holmesii**

## ► services

Developments that meet your needs

Are you planning to find a good contract manufacturing partner for bringing to light your idea or project?

- OPERON S.A., is the integral solution for its clients' tests design and any manufacturing difficulties.
- Large scale production of tests specifically designed by the client.
- Manufacturing in OEM format.
- Collaboration with other companies and public institutions in the development and manufacture of immuno and molecular assays for the detections of new biochemical markers.

