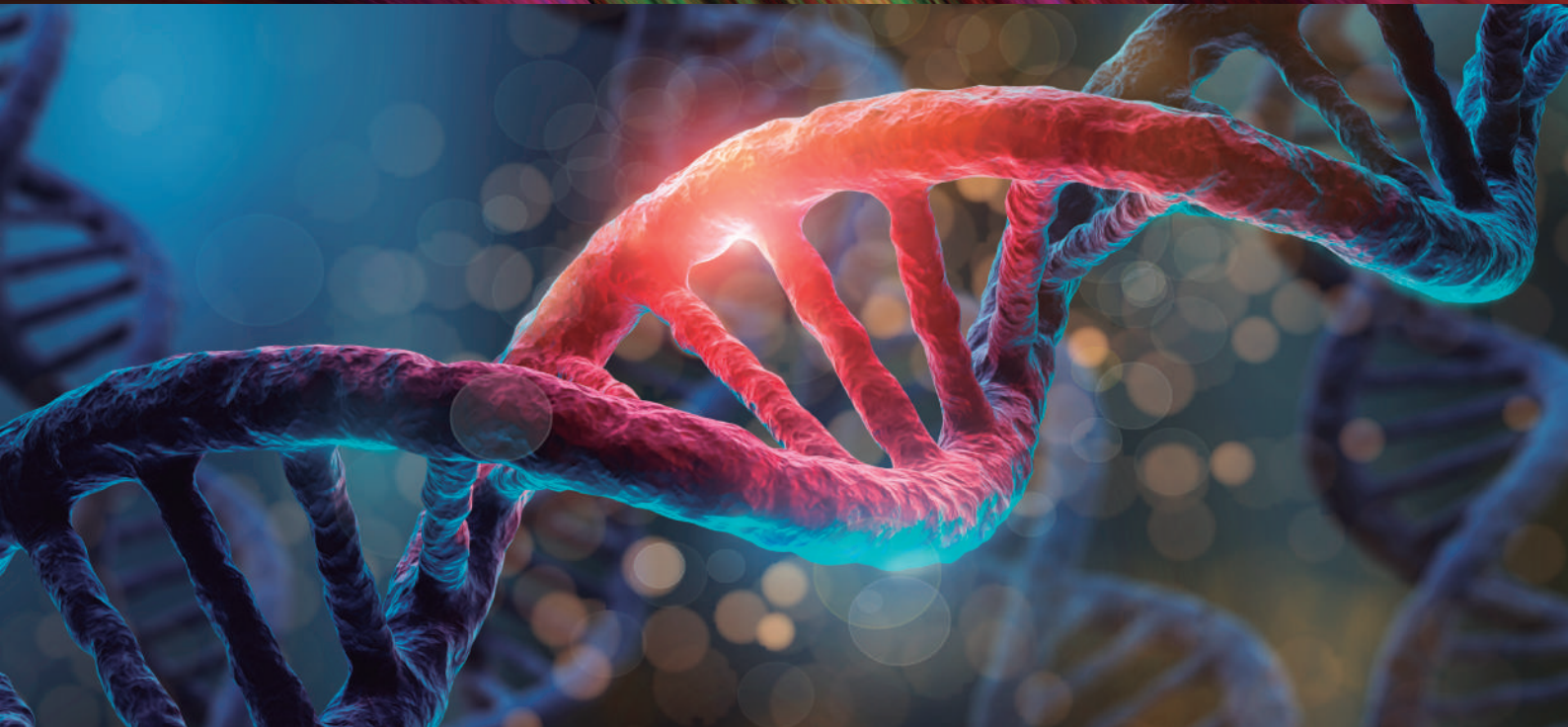




biotical



qPCR KITS





What is different in biotical qPCR KITS?

- All our qPCR kits are produced in the UE (SPAIN), are CE marked and has been validated under the new EU regulatory mark of sanitary products, that will be implemented in 2022.
- The products are **LYOPHILIZED**, it is an important value comparing with other manufacturers:
 - **NO COLD CHAIN REQUIRED.** The product is stable at 25°C.
 - **DOUBLE OF EXPIRY DATE (24 Months)** comparing with other competitors.
- **DEDICATED SUPORT TO THE DISTRIBUTOR:** We have created manuals for use our kits in the most common thermocyclers of the market. In case of a new machine, we support you for a perfect adjustment of the machine.
- Specialized catalogue with high added value products.
- Customization options in controls, strips measures and highs.



Customization options

- **96 Strips or 48 Strips option in all references.**
- **Low Strip, high Strip or Tube.**
- **3 types of controls available:**

INTERNAL CONTROL

It is a **parallel reaction** ran in the same reaction well with the same PCR reagents except primer and probe, the reaction is followed in different fluorescence channel (**HEX** or **Cy5**).

IC serves to **verify the PCR assay**:

- The reaction well has properly rehydrated
- The reagents are in proper condition
- The PCR system has executed the thermal cycle and the optical system is working

EXTRACTION CONTROL

EC (green vial) is a non-infectious nucleic acid lyophilized with the sequence of target (amplicon).

EC **HEX** or **Cy5** channel.

Extraction Control can be used to monitor nucleic acid isolation and/or as PCR inhibition control.

ENDOGENOUS CONTROL

It is a **parallel reaction** ran in the same reaction well with the same PCR reagents except primer and probe.

Housekeeping gene (human RNase P gene).

Human housekeeping genes are involved in basic cell maintenance and, therefore, are expected to be present in all nucleated human cells and maintain relatively constant expression levels.

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Real Time PCR Product Catalogue

MENINGITIS

- N. meningitis + H. Influenzae, + S. pneumoniae qPCR
- E. coli + S. Agalactiae + L. monocytogenes qPCR

TRANSPLANTATION

- Herpes virus 1 + 2 + Varicella Zoster qPCR
- Herpes virus 6 + 7 + 8 qPCR
- Poliomavirus BK + John Cunningham (JC) Virus qPCR

RESPIRATORY VIRUS

- FLU (H1N1, H5N1, H3N2 + H7N9) qPCR
- FLU A + FLU B + RSV qPCR
- SARS-COV 2 qPCR

RESPIRATORY BACTERIA

- S. pneumoniae + H. influenzae + M. catarrhalis qPCR
- Bordetella pertussis + B. holmesii + B. parapertussis qPCR

GASTROINTESTINAL BACTERIA

- Eschericia coli (EIEC) + Salmonella + Campylobacter + Shigella / Enteroinvasive qPCR
- Yersinia enterocolitica + Aeromonas qPCR
- Helicobacter pylori qPCR

ANTIBIOTIC RESISTANCE

- Clarithromycin resistance + H. Pylori qPCR

GENETIC MARKERS

- Genetic HLA Celiac detection qPCR

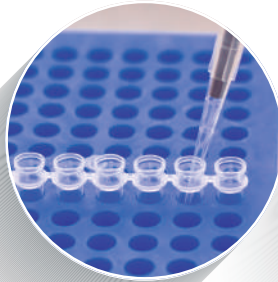


Thermal Cycling Protocol for DNA:



Step 1

Add 15 μ l of rehydration buffer into each well



Step 2

Add 5 μ l of DNA/ RNA sample / positive control / negative control



Step 3

Load the strips into the thermocycler and run the specified protocol



Step 4

Interpretate results

EASY PERFORMANCE:

Just add: 15 μ l of buffer 5 μ l of sample

Step	Temp	Time	Cycles
Initial denaturation	95°C	2 min	1
Denaturation	95°C	10 sec	45
Annealing/Extension (Data collection*)	60°C	50 sec	



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