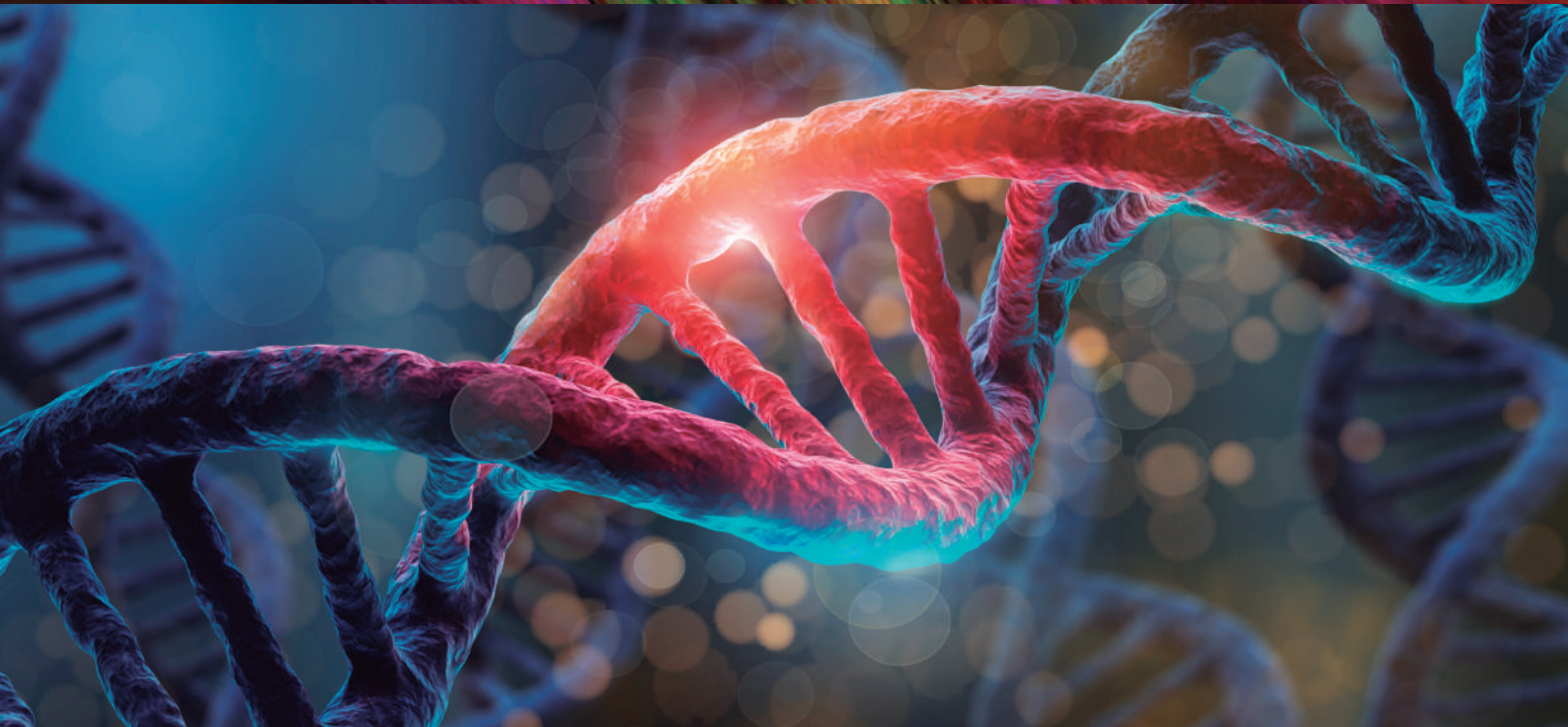




biotical



qPCR KITS





What is different in biotical qPCR KITS?

- All our qPCR kits are produced in the EU (SPAIN), are CE marked and have been validated under the new EU medical device EU regulatory mark for medical devices.
- The products are **LYOPHILIZED**.
 - **NO COLD CHAIN REQUIRED.** The product is stable at 25°C.
 - **DOUBLE OF EXPIRY DATE (24 Months)** comparing with other competitors.
- **DEDICATED SUPPORT 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.



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
- Poliovirus 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
- E. Coli Typing qPCR

ANTIBIOTIC RESISTANCE

- Clarithromycin resistance + H. Pylori qPCR
- Methicillin-resistant + Staphylococcus aureus qPCR

GENETIC MARKERS

- Genetic HLA Celiac detection qPCR

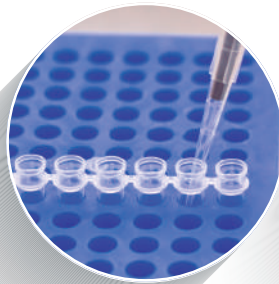


Thermal Cycling Protocol for DNA:



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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