

Mini8 qPCR

A qPCR cycler for Anyone Anywhere

For additional product information, contact Coyote Biotech Sales Team
Email: sales@coyotebiotech.com Phone: 410-530-6186

Coyote Biotech products are available through your local distributor.
To locate the distributor in your area, visit our website: www.coyotebiotech.com



Coyote Bio

www.coyotebiotech.com

9625 Pastora Place, Columbia, MD 90630

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A qPCR cycler for **Anyone**
A qPCR cycler for **Anywhere**
Even though you're **a total rookie**

—Mini8 qPCR, designed by Coyote Bio

• **Affordable**

• **Portable**

• **High Sensitivity**

• **Universal**

Lower the cost, enjoy more fun of DNA detection with Mini8

What "Mini8" qPCR Can Do?

There are numerous applications for quantitative polymerase chain reaction in the laboratory. It is commonly used for both diagnostic and basic research. Uses of the technique in industry include the quantification of microbial load in foods or on vegetable matter, the detection of GMOs and the quantification and genotyping of human viral pathogens.



Genotyping

- Discover what your genes say about your recreational predisposition
- Genotype hereditary traits, such as BRCA variants linked to breast cancer
- Selectively breed animals based on desired genotypes



Research

- Analyze the level of gene expression in cells
- Get immediate feedback on whether your PCR worked without the need to run gels
- Engineer biological systems by manipulating and re-arranging DNA



Food Safety

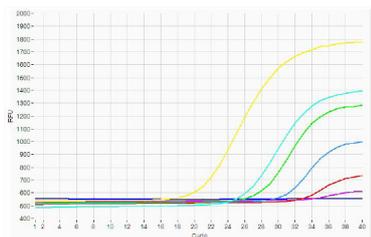
- Identify E.coli, Listeria, or Salmonella in food supplies
- Monitor water quality by testing for pathogens and indicator microbes



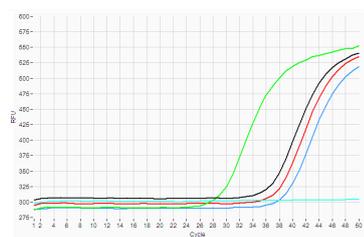
Health Care

- Detect viruses such as HIV and Ebola

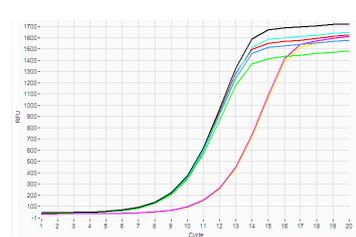
MDx of Infectious Diseases



MDx of Colon Cancer



Prenatal Screening via NGS



As Mini8 qPCR can detect any DNA sequence you choose, the uses are Boundless

The Features of "Mini8"

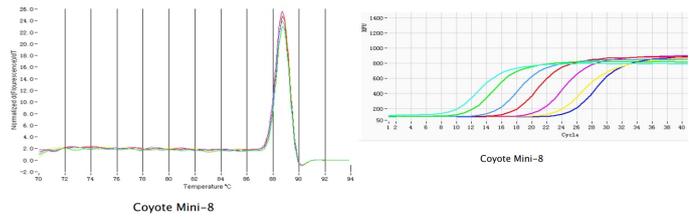
Small Footprint

- From Desktop to Laptop



High Sensitivity

- As Low As One Copy



User Friendly



Complex? No!

User friendly? Yes!

Specifications

Light Source	High Power LED
Detector	Photodiode
Heating/Cooling Model	Peltier
Ramping Rate(Max.)	3 C /s
Thermal Uniformity	±0.2 C
Thermal Accuracy	±0.2 C
Temperature Range	4-100 C
Sample Format	8 Wells
Reaction Volume	15-150µL
Warm Up Time	1 Min
Sensitivity of Detection	1 Copy
High Resolution Melt	Supported Resolution to 0.5 C
Multiplexing	Detect Up to 2 Dyes Simultaneously, 470/520nm(SYBR/FAM);565/625nm(ROX/Texas Red)
Dimensions	205×190×98 mm (L×W×H)
Net Weight	2.1kg
PC Requirement	WIN2000;XP; WIN7;WIN8
Operation Temperature	15-30 C
Storage Temperature	10-60 C
Ambient Humidity	Operation Humidity:15-90% Relative Humidity Storage Humidity:5-95% Relative Humidity
Power Supply	12V,10A

Our reason for developing "Mini8"

"Our reason for developing Mini8 qPCR system is simple: we want to make this essential technology available to everyone, including doctors in developing countries, students in high school and university labs, operators in the food supply chain."

—Coyote Bio

MD-Box-Lab

An entire PCR lab is built within the compact body to take on any nucleic acid detection tasks anytime, anywhere.



Nucleic acid detection



Power supply to all the devices in the box
All the devices inside the box equip 12V DC



Reagents, protective suit and consumables

MD-Box-Lab is a flexible platform for nucleic acid detection. User can choose the specific kits to develop your own system