

BIOMEME, INC. PRESENTS

# Franklin<sup>TM</sup> qPCR Thermocycler



IN CONJUNCTION WITH  
**Wildlife Disease Association**



## Real-Time PCR On The Go

The Biomeme Franklin™ Thermocycler turns your smartphone into a thermocycler for real-time PCR or isothermal analysis, the gold standard in molecular detection technology. Under 3 lbs (1.36 kg), hand-held, and battery-operated for maximum portability.

Wells

9

Targets

27

Channels

3



## OVERVIEW

# Franklin Real-Time PCR Thermocycler



## Ultra-Portable Design

Compact, lightweight, and optimized to enable a full day's work out in the field on a single charge, online or offline.



## Easily Operated

Designed by scientists and built for performance, yet enables users without PCR-expertise to easily run PCR in the field.



## Fast Real-Time Results

In less than an hour, determine the presence or absence of the target(s) in your sample and the starting quantity.



## Intuitive Companion App

[Biomeme Go](#) wirelessly pairs with Franklin so you can program custom thermocycling parameters and manage your experiments.



## Point-of-Need Design

Developed for applications that are time and location-sensitive, where your results from the field need to be actionable ASAP.



## Gold-Standard Performance

Performs to the standard used by the most advanced labs, but requires no lab equipment or special experience to use.

## TECHNICAL SPECIFICATIONS

# Franklin Real-Time PCR Thermocycler

Sample Capacity	9 Wells	Operating Ambient Temperature	4-40°C/39-104°F
Reaction Volume per Well	20 µL	Operating Humidity Limit	0-99%
Total Channels	3	Operating Altitude Limit	3,048m/10,000 ft
Franklin one9 Fluorophore*	FAM/SYBR (Green)	Wall Power (VAC)	100-240V
Franklin two9 Fluorophores*	FAM/SYBR (Green), ATTO647N (Red)	Voltage	19V
Franklin three9 Fluorophores	FAM/SYBR (Green), TexasRedX (Amber), ATTO647N (Red)	Full Load Current	3.3A
System Control & Data Transfer	Wireless (BLE)	Internal Battery	5 hrs
Integrated Barcode Scanner	Yes	Quantitative	Yes
Weight	1.20 kg/2.65 lb	Indoor/Outdoor?	Indoor or Outdoor in a Covered Area



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