



# Here's Mic

## The world's first Magnetic Induction Cycler

The Mic ensures fast and highly accurate results. This powerful technology is bundled into a small 2kg cube so you can leave the lab to make a difference from anywhere in the world.

### Mic Advantages

#### 48 vs. 96/384 Well

Why wait? – see your data now. Mic's reproducibility shatters the commonly held belief that to get the same results you must run all of your samples at the same time. With as little as 3% variability in results across multiple machines and over an extended period of time, you can process your samples as they become available. In fact, the variability between samples over multiple Mic runs is lower than variability within a single run on some 384 well cyclers. You also get to keep your sanity by not having to pipette 384 reactions at once.

#### 4 vs. 5/6 Channel Optics

Multiplexing more than 4 channels typically results in a loss of sensitivity of the assay due to competitive inhibition (limited number of reagents causes one or more of the targets to fail to amplify) or primer pair interference resulting in non-specific product formation. Furthermore, very high optical channel cross talk between the additional channels reduces the ability to accurately determine results and increases the probability of false positives. The latest optical technology integrated in Mic means that you can also now perform high resolution melts (HRM) on any of the 4 channels. There is no need for a special HRM channel.

#### Software Methods

The next generation software developed for the Mic qPCR cycler simplifies your setup and automates all of your analysis. No longer do you need to remember what thermal profile or analysis settings you used last time – everything is saved into your assay library. Simply enter your sample names, select the assays and Mic will do the rest. Our software never stops evolving. The software uses the most advanced analysis algorithms available and conveniently reports all of the appropriate statistics and quality controls. All of this is developed to adhere to the highest scientific standards.

#### Optimised Tubes

We have built our own manufacturing facility dedicated to plastic consumables for Mic. This ultra clean environment on site allows us to deliver the highest quality standards to ensure you always get consistent results. All of our tubes are preloaded with a high viscosity silicon oil to ensure the ultimate in qPCR performance. Plus we package the tubes into compact disposable rack containers to make loading them a breeze.

#### Robust Communication

Never lose a run if your PC or communications fail. All of the data from your current run is stored on board until it is retrieved. This even means you can start your run, take your laptop away and the run will be downloaded when you return. How cool is that! And did we mention you can run multiple instruments from the one PC

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