MedixMDx qProbe Mix (MX2102)

Introduction

MedixMDx qProbe Mix is a universal one-step probe mix for robust, sensitive, and fast qPCR. The mix uses state-of-the-art technologies with an antibody-regulated hot-start Taq polymerase for real-time PCR amplification of single or multiplex DNA targets in a single reaction. The optimized buffer chemistry and PCR enhancers and stabilizers enable rapid and sensitive qPCR. MedixMDx qProbe Mix is ideal for the detection and quantification of a variety of DNA targets including complex and GC- and AT-rich DNA targets.

Methods

MedixMDx qProbe Mix was compared to another supplier. cDNA created from mouse liver RNA was used as a template at three concentrations, with three replicates at each concentration. The TaqMan oligos targeted four mouse housekeeping genes, each with different fluorescent reporter.

The singleplex and multiplex reactions were run 45 cycles as per Table 1 on a Roche Lightcycler 96 instrument.

Table 1. Thermal cycling conditions.

Step	Temperature	Time	Cycles
1.	95°C	2 min	
2.	95°C	10 sec	45 cycles
3.	60°C	60 sec	

Results

Singleplex and multiplex comparison data are show in Figures 1 and 2, respectively.

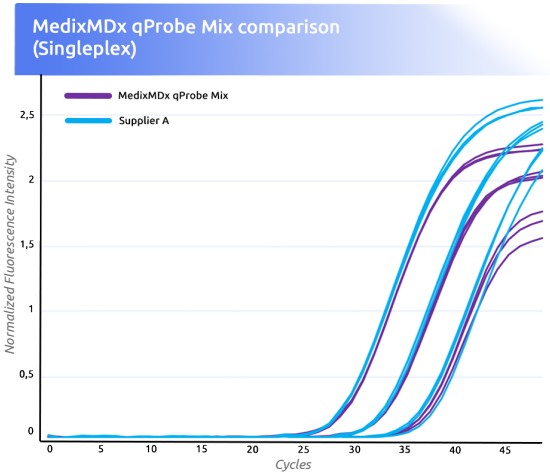

Figure 1. MedixMDx qProbe mix comparison against alternative supplier in a singleplex reaction.

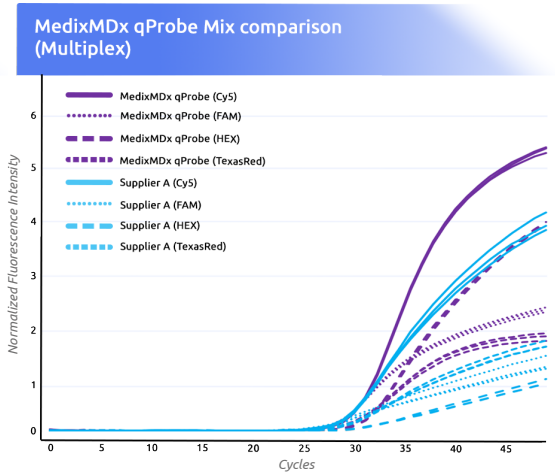

Figure 2a. MedixMDx qProbe mix comparison against alternative supplier in a multiplex reaction (data combined).

Results

Singleplex and multiplex comparison data are show in Figures 1 and 2.

Conclusions

- MedixMDx qProbe mix displayed similar performance compared to an alternative supplier in singleplex reaction.
- In multiplex, MedixMDx qProbe mix outperformed the alternative supplier and displayed better amplification yield.

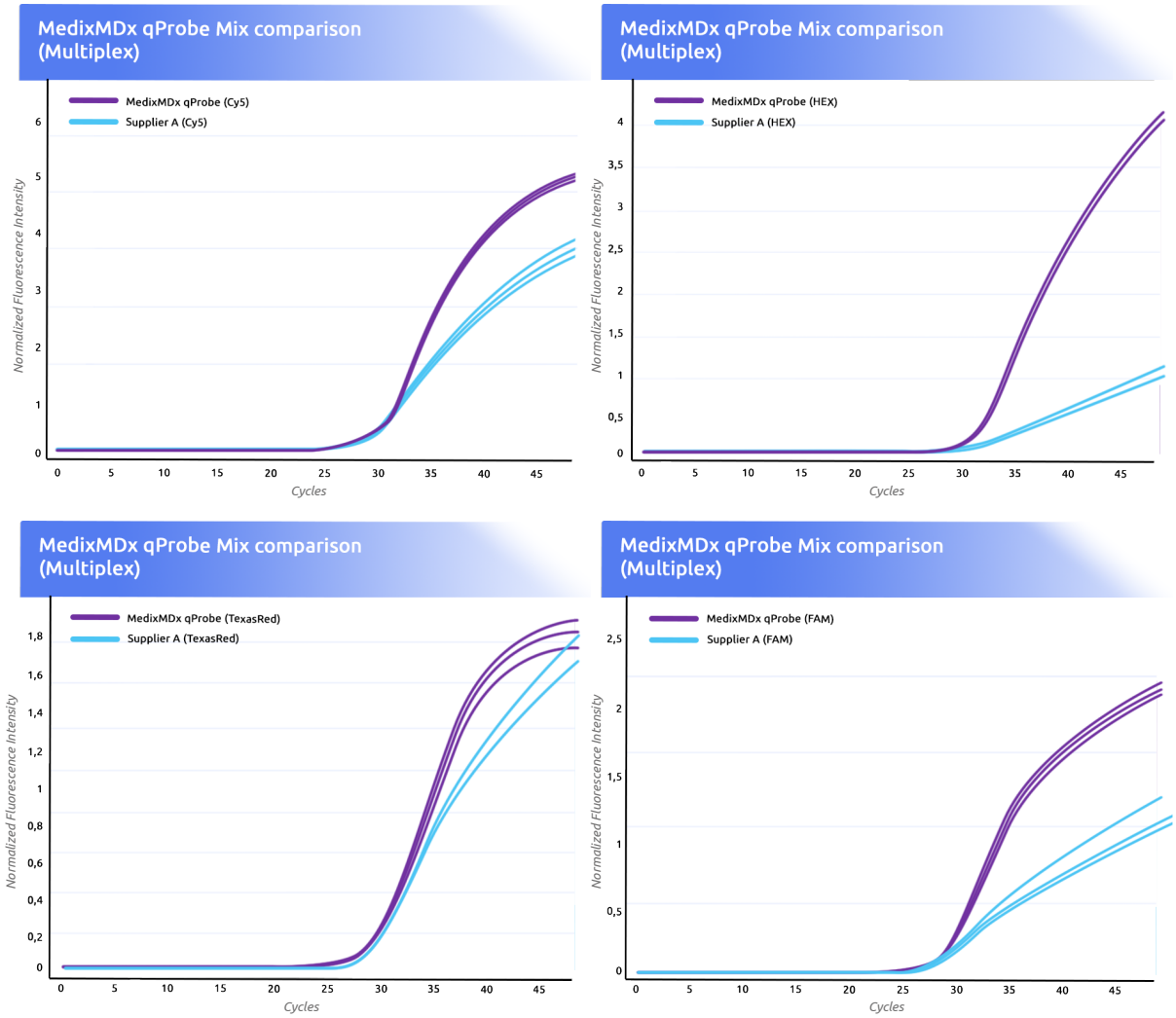

Figure 2b. MedixMDx qProbe mix comparison against alternative supplier in a multiplex reaction (data separated by channel).

Contact us

mdx@medixbiochemica.com