RedSuper 2x TaqMan qPCR Master Mix

## Highlight

* Avoid pipetting errors with red color
* Superior sensitivity
* Compatible with Taqman™ dual-labeled probes
* Compatible with all real-time PCR platforms Mix
* Accurate allelic discrimination
* Superior allele clustering

## Product description:

RedSuper™ 2x Taqman™ qPCR Master Mix is a kit designed for use in dual-labeled probe based PCR including Taqman™, Molecular Beacon™ and Scorpion probe™. The RedSuper™ is fully compatible with other 2x Taqman™ qPCR Master Mix.

RedSuper™ 2x Taqman™ qPCR Master Mix uses proprietary inhibitor technology that prevents primer-dimer formation to improve reaction sensitivity and specificity. High-throughput screening has resulted in a buffer system that allows efficient amplification from GC-rich and AT-rich templates, under fast and standard cycling conditions. The red color in RedSuper™ dos not affect PCR reaction and can avoid pipetting errors.

## Reaction setup

1. Before starting, briefly vortex 2x qPCRBIO Genotyping Mix.

2. Prepare a master mix based on following table:

|  |  |  |
| --- | --- | --- |
| Reagent | 20µl reaction | Final concentration |
| 2x RedSuper Mix | 10µl 1x |  |
| Forward primer (10µM) | 0.8µl | 400nM |
| Reverse primer (10µM) | 0.8µl | 400nM |
| Probe (10µM) | 0.4µl | 200nM |
| Template DNA | 1 to 20pg |  |
| PCR grade dH2O | to 20µl |  |

### Thermal cycle setting

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Temperature and Time | cycle | note |
| 1 | 95°C 3 min. | 1 | Polymerase activation |
| 2 | 95°C 15 sec., 55-60°C 60 sec. | 40 | Denaturation Anneal/Extension |

## Shipping and Storage

The kit should be stored at -20°C.

## Technical Support:

support@haborgen.com