

○ Bacteria

● Mycoplasma/Ureaplasma spp

Mycoplasma and Ureaplasma species are common sources of contamination in cell culture and are also critical quality control targets in biopharmaceutical production.

In this application, we attempted to detect various Mycoplasma genomes using a universal primer/probe set targeting the 16S rRNA region.

○ Instruments and reagents

- GeneSoC® mini R
- GeneSoC® mini PCR chips
- GeneSoC® PCR Master Mix

○ Primers and Probes

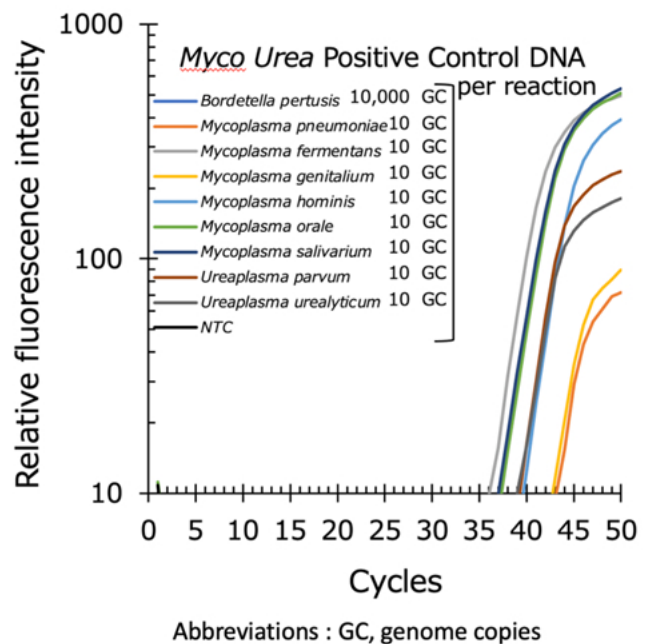
Transfus Med Hemother. 2014 Feb;41(1):83-9.

○ Template

Genomic DNA from six species of Mycoplasma
Genomic DNA from two species of Ureaplasma

Related Products

- Ultra-rapid real-time PCR system GeneSoC® mini R
- GeneSoC® mini PCR chips
- GeneSoC® RT-PCR Master Mix



○ PCR Protocol

	Temp.(°C)	Time(sec)	Cycle
HS	98	10	1
DN	98	3	50
AE	60	10	

(Time required: approx. 15 minutes)

- HS : Hot Start
- DN : Denature
- AE : Annealing / Extension

※ For more detailed experimental conditions, please contact us.