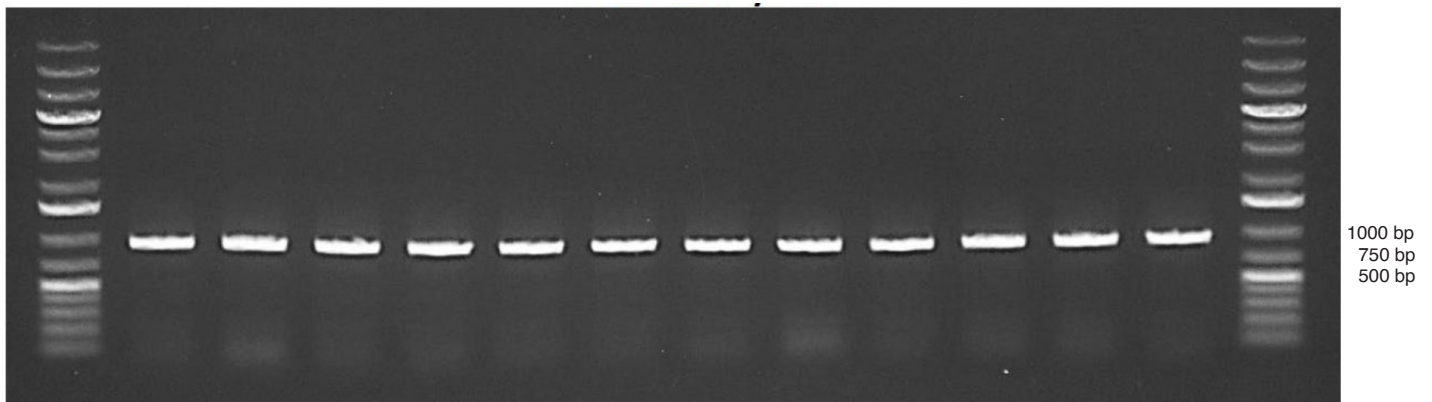


Users can reduce time and cost by using DirecTaq 1X Master Mix with unpurified DNA templates. DirecTaq 1X Master Mix is an all-inclusive PCR mix requiring only the addition of primers and template for PCR amplification. DirecTaq Master Mix is designed for colony PCR or genotyping from unpurified DNA targets. DirecTaq is thermostable up to 98 °C enabling denaturation of high-GC content targets.

Below are examples of colony PCR results from *E. coli* and *Streptomyces* of templates comprising low- and high-GC content.

E.coli colony PCR



Streptomyces colony PCR

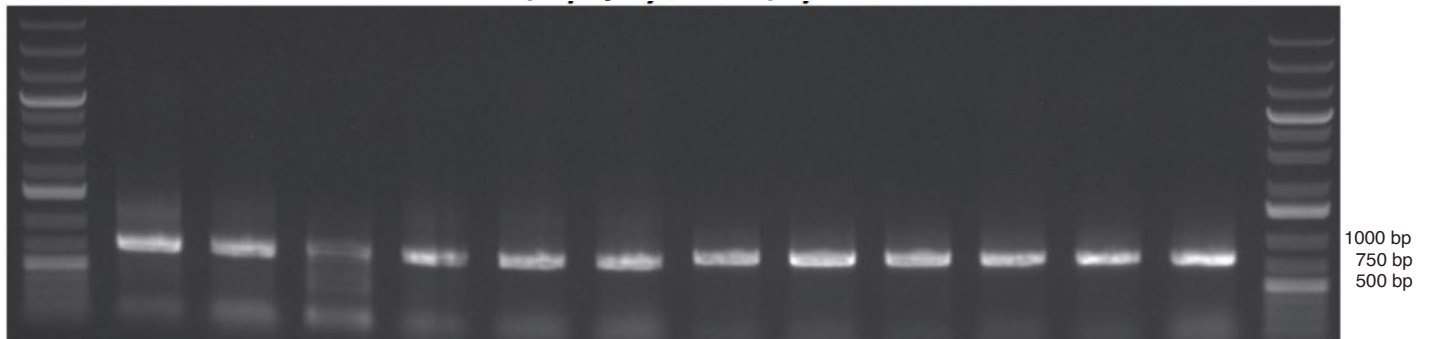


Figure 1: Colony PCR from *E. coli* and *Streptomyces*. These amplicons have GC contents of 36 and 70% for *E. coli* and *Streptomyces*, respectively.