

The Proofreader for Every High-Fidelity Application

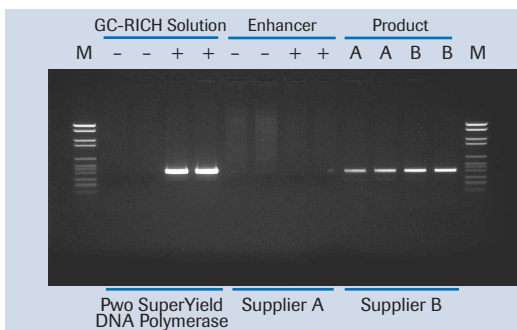
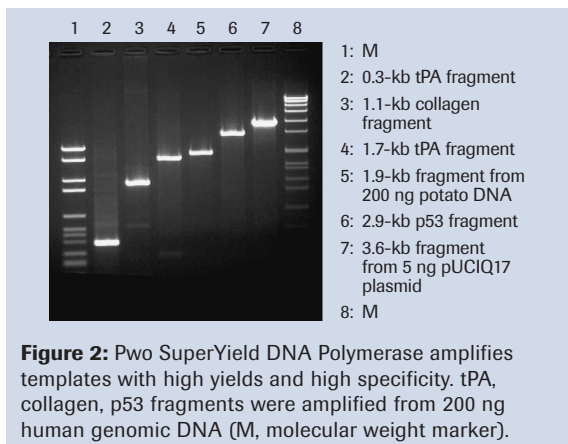
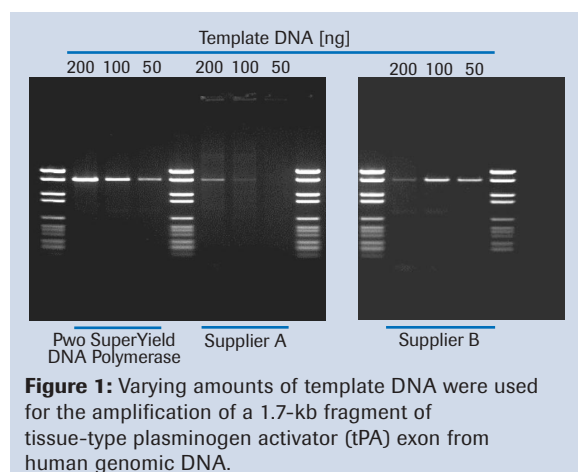
Pwo SuperYield DNA Polymerase

Looking for a robust high-fidelity polymerase that yields extraordinarily high amounts of product? Looking for a high-fidelity polymerase that amplifies challenging templates? Looking for a high-fidelity polymerase that minimizes handling steps and the risk of contamination? With the introduction of Pwo SuperYield DNA Polymerase and Pwo Master, Roche Applied Science has the solution:

- ➔ **Excellent fidelity:** It shows a 18-fold higher fidelity than Taq DNA Polymerase.
- ➔ **High yields:** With the robust buffer system outstanding yields can be achieved without optimization.
- ➔ **For challenging assays:** GC-RICH Solution is included in the kit to enhance performance of the polymerase with difficult templates.
- ➔ **Convenient handling:** Ready-to-use Pwo Master (stored at 2–8°C) reduces handling steps to a minimum.

Pwo SuperYield DNA Polymerase was especially developed to yield very high amounts of PCR product with constant high fidelity (Figure 1). This enzyme delivers superior results, thanks to its unique enzyme design and optimized buffer system.

Pwo SuperYield DNA Polymerase is a very robust product which allows the amplification of various templates up to 3 kb – even longer amplicons can be amplified from easy templates. There is no need for extensive optimization, and highly specific products can be obtained instantly (Figure 2). The Mg-concentration is optimized for a variety of templates and a wide range of applications and fragment lengths.



For the amplification of difficult templates such as a 400-bp fragment of the 28S rRNA gene (GC content 63%, Figure 3), GC-RICH Solution is supplied with the kit. Achieve superior results with Pwo SuperYield DNA Polymerase.

Pwo Master – the Ultimate Convenience

Just add template, primers and PCR-Grade Water to Pwo Master to achieve your results with minimum effort and minimal risk of contamination. Pwo Master contains Pwo SuperYield DNA Polymerase, buffer and nucleotides as a ready-to-use double-concentrated master mix. Pwo Master is stored at 2–8°C and can be used immediately; no freezing and thawing is necessary.



Product	Pack Size	Cat. No.
Pwo SuperYield DNA Polymerase*	100 units	04 340 868 001
	2 x 250 units	04 340 850 001
Pwo Master*	100 reactions	03 789 403 001

* not for sale in the US