

# SMART DNA POLYMERASE



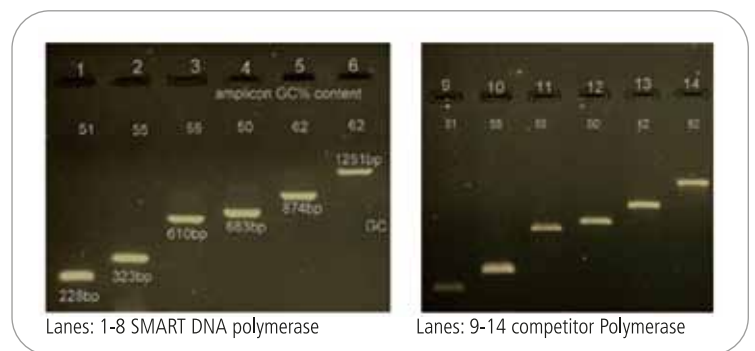
SMART DNA Polymerase overcomes PCR challenges with successful amplification of targets of all complexity.

- Superior fidelity** - Higher than standard Taq polymerase
- Maximal yield** - Increased yield for routine PCR applications & difficult targets (high GC and low abundance)
- Amplification of long templates** - Up to 8kb fragments successfully amplified
- Robust performance** - Successful amplification with a wide range of protocols
- Time-saving** - The increased processivity results in short elongation time (15 sec/kb) and faster protocol



### Amplification of long templates

The following fragments from human FANCA gene were amplified from 100 ng genomic DNA: 3350 bp (lanes 2-3), 5800 bp (lanes 5-6) and 7500 bp (lanes 8-9).



### Increased product yield with routine PCR application and GC-rich targets

10 ng of human DNA were amplified with 1 U/50 ul of SMART DNA Polymerase or a competitor polymerase. On top of each lane the amplicon GC% content is specified.

Code	Description	Size
EME012500	SMART DNA Polymerase	500 U

**SAMPLE AVAILABLE**

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