

# See your PCR in Colour



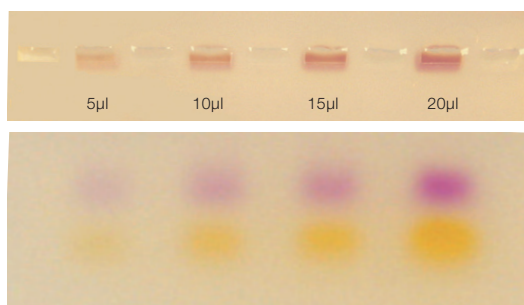
## MangoTaq™ DNA Polymerase

- Low-cost *Taq* formulation for direct gel loading
- Reaction Buffer contains inert red and orange dyes
- Very easy recognition
- Supplied at 5u/μl



MangoTaq™ DNA Polymerase is a formulation of *Taq* DNA Polymerase which offers consistent results across a wide range of DNA templates. MangoTaq DNA Polymerase possesses 5'-3' exonuclease activity and leaves an 'A' overhang such that the PCR product is suitable for effective integration into TA cloning vectors. The polymerase is supplied with two different reaction buffers for greater user flexibility.

The two reaction buffers supplied are: 5x Colored reaction buffer and 5x Colorless reaction buffer. The colored reaction buffer contains red and orange dyes, which separate during electrophoresis and provide quick reference points for monitoring the mobility of the DNA samples in the gel. The colored reaction buffer can be loaded directly onto an agarose gel for analysis, without the need for separate gel-loading buffer. The presence of the dyes has no effect on routine enzymatic manipulations, although rare exceptions may occur. Since the colorless reaction buffer does not contain reference dyes, it is suitable for use when reaction products will be used directly for down-stream processes involving absorbance or fluorescent detection.



**MangoTaq reactions before and after electrophoresis.**  
The top gel illustrates four volumes of PCR reactions immediately after loading onto a 1% agarose gel using TAE Buffer. The lower gel illustrates separation of the two dyes correlating to DNA migration.

### MangoMix™

MangoTaq is also available as a complete ready-to-go 2x reaction mix called MangoMix, which requires the user to add only water, template and primers. MangoMix ensures greater reproducibility by reducing the number of pipetting steps.

### Ordering Information

PRODUCT	PACK SIZE	CAT NO.
MangoTaq DNA Polymerase	1000 Units	BIO-21083
MangoTaq DNA Polymerase	2000 Units	BIO-21082
MangoTaq DNA Polymerase	5000 Units	BIO-21078
MangoMix	250 Reactions	BIO-25033
MangoMix	1000 Reactions	BIO-25034

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