

DATA SHEET

Version: 2
Revision date: 16/06/2023

1. Identification

Product name	PickMutant™ Site-directed Mutagenesis Kit
	15 rxn
Cat No	MT001

2. Description

PickMutant™ Site-directed Mutagenesis Kit is a reliable, robust and highly efficient PCR-based mutagenesis kit. Extremely easy-to-use, the kit allows creating single or multiple point mutations, deletions or insertions using a rapid and easy protocol. All these mutation could be obtained by PCR using a FastPANGEA™ High Fidelity DNA Polymerase and well-designed mutagenesis primers. The assembled mutagenic PCR fragments is cloned into pSpark® cloning vector, specially designed to clone blunt PCR fragments with high efficiency or into other vector designing, in this case, an additional specific vector primer pair.

3. Composition

Item	Volume
Proofreading DNA polymerase MasterMix 2X	150 µl
Glue Enzyme (10U/ µl)	300 U
Glue Enzyme Buffer (10x)	40 µl
Insert Control DNA	5 µl
pSpark® I (20 ng/µL)	15 µl

Notes: Provided material for 15 reactions.

4. Storage specifications

Store at **-20 °C** and avoid freeze/thaw cycles.

5. Applications

- Site-directed Mutagenesis.
- Study protein function.
- Identify enzyme active sites.
- Design new proteins

6. Further information

Product Use Limitations This product is developed, designed and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

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