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Product Datasheet

HiDi® DNA polymerase
9001

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Product Name	HiDi® DNA polymerase
Catalog Number	#9001
Description	HiDi® stands for **Hi**gh **Di**scrimination of mismatches at the 3’-terminus of primers in PCR. This enzyme family is optimized for this feature and is the first choice for applications that rely on this property such as allele-specific PCR (asPCR), also known as allele-specific amplification (ASA). Comparison studies with competitor products show that the HiDi® DNA polymerase family is the first choice for highly selective PCRs, such as genotyping by allele-specific PCR, HLA genotyping, analysis of single CpG methylation sites or the detection of mutations in a high background of wild-type sequences. By using HiDi® DNA polymerase, less than 10 copies of a mutation can be detected in a background of >10,000 wild-type copies without any other tedious assay optimization. **Applications**: - Allele-specific PCR (asPCR), allele-specific amplification (ASA) - HLA genotyping - Analysis of single CpG methylation sites by PCR (methylation specific PCR, MSP) - Mutation detection by PCR even in a high background of wild-type sequences - Genotyping e.g., in CRISPR/Cas and TALEN approaches This polymerase is also available as a **full-length Taq DNA polymerase** with a nuclease domain, featuring 100% compatibility with hydrolysis probes (TaqMan® probes etc.). Several independently conducted studies show that HiDi® DNA polymerase is ideally suited for use in asPCR in numerous research areas ranging from mutation detection to genome editing. Please see "References" below. *For research use and further manufacturing. Designed and manufactured under ISO13485*
Tested Applications	End-Point, Real-Time
Brand	myPOLS Biotec
Storage	-20°C

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Content

S pack: 250 U, 5 U/µl, 1 x 50 µl HiDi® DNA polymerase; 1 x 1.25 ml 10x HiDi reaction buffer

M pack: 250 U, 5 U/µl, 1 x 200 µl HiDi® DNA polymerase; 2 x 1.25 ml 10x HiDi reaction buffer