

Product Datasheet

HiDi® 2x PCR Master Mix 9101

Product Name HiDi® 2x PCR Master Mix

Catalog Number #9101

Description HiDi® stands for High Discrimination of mismatches at the 3'-terminus of primers in PCR. HiDi® 2x PCR Master Mix is a ready-to-use master mix specially optimized for assays in which high discrimination with SYBR chemistry is required. The combination of highly selective aptamer-based fast-start formulated HiDi® DNA polymerase and an optimized buffer with ultrapure dNTPs ensures simple reaction setup and reliable results. HiDi® DNA polymerase efficiently amplifies from primers that are matched at the 3'-end and discriminates primers that are mismatched. By using HiDi® DNA polymerase, less than 10 copies of a mutation can be detected in a background of $> 10^4$ wild-type copies.

For more information, please check :
HiDi® 2x PCR Master Mix

Tested Applications End-Point, Real-Time

Brand myPOLS Biotec

Storage -20°C

References Drum, M., Kranaster, R., Ewald, C., Blasczyk, R., & Marx, A. (2014). Variants of a *Thermus aquaticus* DNA polymerase with increased selectivity for applications in allele- and methylation-specific amplification. *PLoS one*, 9(5), e96640.

Barraud, N., Létoffé, S., Beloin, C., Vinh, J., Chiappetta, G., & Ghigo, J. M. (2021). Lifestyle-specific S-nitrosylation of protein cysteine thiols regulates *Escherichia coli* biofilm formation and resistance to oxidative stress. *npj Biofilms and Microbiomes*, 7(1), 1-11.

Miotto, O., Sekihara, M., Tachibana, S. I., Yamauchi, M., Pearson, R. D., Amato, R., ... & Mita, T. (2020). Emergence of artemisinin-resistant *Plasmodium falciparum* with kelch13 C580Y mutations on the island of New Guinea. *PLoS pathogens*, 16(12), e1009133.

Yang, Z., Le, J. T., Hutter, D., Bradley, K. M., Overton, B. R., McLendon, C., & Benner, S. A. (2020). Eliminating primer dimers and improving SNP detection using self-avoiding molecular recognition systems. *Biology Methods and Protocols*, 5(1), bpaa004.

Morisaka, H., Yoshimi, K., Okuzaki, Y., Gee, P., Kunihiro, Y., Sonpho, E., ... & Mashimo, T. (2019). CRISPR-Cas3 induces broad and unidirectional genome editing in human cells. *Nature communications*, 10(1), 1-13.

Madhuri, S., Bártulos, C. R., Serif, M., Lepetit, B., & Kroth, P. G. (2019). A strategy to complement PtAUREO1a in TALEN knockout strains of *Phaeodactylum tricornutum*. *Algal Research*, 39, 101469.

Content S pack: 1 x 1.25 ml HiDi® 2x PCR Master Mix

M pack: 5 x 1.25 ml HiDi® 2x PCR Master Mix

Medix Biochemica

Oy Medix Biochemica Ab

Headquarters
Klovinpellontie 3
FI-02180 Espoo
Finland
Email: sales@medixbiochemica.com

Medix Biochemica USA Inc.

10850 Metro Court
Maryland Heights, MO 63043
United States of America
Email: sales@medixbiochemica.com
