

**Data sheet**

This data sheet provided for information only

**2.5X PCR UniMix-1500****RESEARCH USE ONLY****2,5X PCR UniMix for Amplification with  
HF-Fuzz, UltraSmarTaq, HS-StormTaq Polymerases**

<b>Cat. No.</b>	<b>Pack</b>	<b>Conc.</b>
<b>UPM-1502</b>	<b>100 rnx</b>	<b>2,5 X</b>
<b>UPM-1506</b>	<b>500 rnx</b>	<b>2,5 X</b>

**Stability:****2,5X PCR UniMix-1500** stable for 24 months at -20°C, or for 6 months at +4°C storage without freezing.**Content:****1X:****0,2mM each of 4 dNTP's****Reaction buffer components****1,5 mM MgCL<sub>2</sub>****Stabilizer/enhancer****DESCRIPTION****2,5X PCR UniMix-1500** is intended for DNA amplification with HF-Fuzz, UltraSmarTaq and HS-StormTaq Polymerases in a "regular" PCR mode, or "fast PCR", providing high specificity amplification.**2,5X PCR UniMix-1500** contains two inherent dyes, stabilizer/enhancer, which thermo stabilizes enzymes during PCR.**2,5X PCR UniMix-1500** contains 0,2mM each of 4 dNTP's and 1,5mM of MgCl<sub>2</sub> at 1X dilution. For some applications recommended to titrate Mg concentration (not included) for the best amplification results.**NOTE: 2,5X PCR UniMix-1500 can't be used with the regular Taq-based PCR enzymes, it's specially designed for the enzyme group, mentioned above.****2,5X PCR UniMix-1500** could be used for all PCR applications with the above enzymes, with the minor exceptions (real-time PCR probe-based with HS-StormTaq polymerase, because of lack of 5'-3' exonuclease activity).**APPLICATIONS:**

- Hi-Fi PCR ( for HF-Fuzz)
- "fast PCR"
- Real-time PCR (all modes for UltraSmarTaq ,probe-base exception for HS-StormTaq)
- Routine PCR
- Primer extension
- Low-copy target PCR
- Multiplex PCR

**STORAGE CONDITIONS :**Store **2,5X PCR UniMix** at -20°C (for long term storage).**SHIPPING CONDITIONS:**

Should be shipped at ambient temperature

For land distance shipments preferably in **Blue Ice**