

Data sheet

This data sheet provided for information only

5X PCR MIX-20-T**RESEARCH USE ONLY****5X PCR MIX for DNA amplification**

Cat.No.	Pack	Conc.
PM-100	1ml	5 X
PM-500	5ml	5 X

Stability:

Shelf life 12 months if store at -20°C

CONTENT (1X):

0,2mM each of 4 dNTP's
 2mM MgCl₂
 16,6mM (NH₄)₂SO₄; 67,0mM This-HCL (pH 8.8
 at 25°C); 0.01% Tween-20,
 stabilizers/enhancers.

DESCRIPTION

5X PCR MIX-20T is recommended for PCR amplification of DNA templates from various sources. **5X PCR MIX-20T** is optimized for high specific amplification of DNA with Taq/Tth-based Polymerases (DiaTaq, SmarTaq, Dia^{HY}Taq, and Tth). **5X PCR MIX-20T** contains 2mM MgCl₂ and 0,2mM each of 4 dNTP's in 1X comcentration. **5X PCR MIX-20T** contains **specific additives for thermostabilization** of PCR enzymes during PCR amplification.

Recommended PCR assay

	50µl PCR assay	Final Conc.
0.5µl	DiaTaq/SmarTaq Pol	2.5U
10µl	5X PCR MIX-20T	1X
0.2-1.0µl	each Primer	
Variable*	DNA Template	
To 50µl	PCR Grade Water	

*- depending on DNA template initial concentration
 For 25µl PCR assay all reagents should be reduced proportionally.

APPLICATIONS:

- Routine PCR
- Primer extension
- DNA sequencing
- Low-copy PCR (SmarTaq Polymerase)
- Multiplex PCR

STORAGE CONDITIONS :

Store **5X PCR MIX-20T** at -20°C (for long term storage).

SHIPPING CONDITIONS:

Should be shipped at ambient temperature
 For long distance shipments preferably in **Blue Ice**