

Data sheet

This data sheet provided for information only

5X PCR MIX^{Plus}**RESEARCH USE ONLY****PCR MIX for "anti-contamination" DNA amplification**

Cat.No.	Pack	Conc.
PMU-100	100rxn	5 X
PMU-500	500rxn	5 X

Stability:

Shelf life 12 months if store at -20°C

CONTENT (1X):

0,2mM dNTP's (dA,dC,dG),0,6mM dUTP
 3mM 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^{Plus} recommended for PCR amplification of DNA templates from various sources. **5X PCR MIX^{Plus}** optimized for high specific "anti-contamination" amplification of DNA with Taq/Tth-based Polymerases (DiaTaq,SmarTaq, Dia^{HY}Taq, and Tth).

5X PCR MIX^{Plus} contains 3mM MgCl₂ and 0,2mM dA,dC,dG and 0,6mM dUTP (instead of TTP) in 1X comcentarion.

5X PCR MIX^{Plus} 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^{Plus}	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:

- "anti-contamination" PCR
- Routine PCR
- Primer extension
- Low-copy PCR (SmarTaq Polymerase)
- Multiplex PCR

STORAGE CONDITIONS :

Store **5X PCR MIX^{Plus}**at -20°C (for long term storage).

SHIPPING CONDITIONS:

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