

Data sheet

This data sheet provided for information only

PCR Core Kit

RESEARCH USE ONLY

Set of reagents for DNA amplification

PCR Core Kit is the set of separate high quality reagents for routine PCR amplification.

Cat. No.	Pack	Conc.
Dia-CK01100	100 rxn	-
Dia-CK01101	500 rxn	-

Stability:

All components are stable for 24 months at -20°C.

CONTENT:

250U DiaTaq Polymearse
 0.4ml of dNTP's MIX (2.5mM each of dNTP's)
 0,5ml 50 mM MgCL₂ Stock solution
 0.5 ml 10X Reaction Buffer:166mM (NH₄)₂SO₄;
 670mM This-HCL (pH 8.8 at 25°C), 0.1%
 Tween 20
 5 ml PCR Grade Water

DESCRIPTION

PCR Core Kit is recommended for use in routine PCR reactions.

10X Reaction buffer optimized for high specificity PCR with DiaTaq DNA Polymerase

PCR Core Kit is not recommended for the plate-based PCR and automated pipetting, where detergent-free buffer system is required.

Recommended PCR assay

50µl PCR assay		Final Conc.
0.5µl	DiaTaq Polymerase	2.5U
5 µl	10X Reaction Buffer	1X
1.5-2.5µl	50mM MgCL ₂ Solution	1.5-2.5mM
4 µl	dNTP's MIX	0.2mM each
0.2-1µM	each Primer	
Variable*	DNA Template	
To 50µl	PCR Grade Water	

*- depending on DNA template initial concentration

For optimal specificity of amplification an individual optimization of concentrations/parameters may be necessary for each new DNA template and/or primers pair

APPLICATIONS:

- Routine PCR
- Primer extension
- Starting optimization

STORAGE CONDITIONS :

Store all components at -20°C (for long term storage).

SHIPPING CONDITIONS:

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