

CycleFasst

Master mix for PCR

EuroClone®

Order information

Cat.#	Description	Format
EMX010200	CycleFasst	200 reactions

Storage and stability

Store at -20°C.

Kit Content

CycleFasst is a master mix for conventional PCR including high quality reagents for the amplification of nucleic acid templates. It contains EuroTaq, a Taq DNA polymerase engineered to obtain the best amplification yield and the maximum specificity even in multiplex PCR.

CycleFasst is supplied at a 2X concentration to allow the addition of primers and template solutions. This master mix is enough for 200 amplification reactions of 50 µl final volume and is provided in four vials of 50 reactions each. For possible magnesium titrations a further vial containing 50mM MgCl₂ is included.

Reagent	Format	Quantity	Formulation
CycleFasst	1.250 ml	4 vials	0.4 units/µl EuroTaq; 3.2 mM dNTPs; 3mM MgCl ₂ 32 mM (NH ₄) ₂ SO ₄ ; 134 mM Tris HCl pH 8.8; 0.02% Tween-20; stabilizers.
MgCl ₂	1.5 ml	1 vial	50mM MgCl ₂

Notes

All needed precautions should be taken to avoid cross contamination. Best is prepare amplification reactions in a DNA-free environment. Use of aerosol resistant barrier tips is recommended.

PCR products should be analyzed in an area separate from the reaction assembly area.

Protocol

1) Add to a new a clean microtube the following components:

CycleFasst	25 µl
Primers	200 nM each, final concentration
DNA template	variable
ddH ₂ O	To reach 50 µl

2) Mix contents of the tubes, cap tubes and load thermal cycler.

3) Start cycling program file.