

CycleFasst Load'N'use

Pre-aliquoted, ready-to-use Master Mix for PCR

Order information

Cat.#	Description	Format
EMX012096	CycleFasst Load'N'use	96 reactions

Storage and stability

Store at -20°C.

Kit Content

CycleFasst Load'N'use 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 with the maximum specificity even in multiplex PCR.

CycleFasst Load'N'use is supplied in a pre-aliquoted format, 12x8 tube strips. Each tube is individually capped for an easier handling of the sample and it contains 25µl of the 2x concentrated PCR solution, for a better setting of the amplification volume. This kit is enough for 96 amplification reactions of 50 µl final volume. For possible magnesium titrations a further vial containing 50mM MgCl₂ is included.

Reagent	Format	Quantity	Formulation
CycleFasst Load'N'use	25µl	96 tubes	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	0.4 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) Take from the kit only the tubes you need: take out of the -20°C freezer enough microtube to process your samples, do not allow the remain of the kit to stay at temperature higher than -20°C.
- 2) Add to the **CycleFasst Load'N'use** microtubes to be processed the following components:

Primers	200 nM each, final concentration
DNA template	variable
ddH ₂ O	To reach 50µl, considering that each tube contains already 25µl of master mix 2X concentrated
- 3) Mix contents of the tubes, cap tubes and load thermal cycler.
- 4) Start cycling program file.