

**KCl Buffer**

Cat. No.	Amount
PCR-262S	5 x 1,2 ml
PCR-262-10ML	10 ml
PCR-262-100ML	100 ml

For general laboratory use.

Shipping: shipped at ambient temperature

Storage Conditions: store at 4 °C or -20 °C

Shelf Life: 12 months

Form: Liquid

Concentration: 10x conc.

Description:

PCR Buffer KCl is recommended for use in routine PCR reactions. It is optimized for high specificity and guarantees minimal by-product formation.

Content:**PCR Buffer KCl (green cap)**

200 mM Tris-HCl (pH 8.5, 25 °C), 500 mM KCl and 15 mM MgCl₂.

Optimization of MgCl₂ concentration:

A final Mg²⁺ concentration of 1.5 mM is recommended for most PCR applications if using PCR Buffer KCl. For an individual optimization of the reaction buffer add 25 mM MgCl₂ stock solution (PCR-266) as shown in the table below.

final MgCl ₂ conc.	20 µl final assay volume	50 µl final assay volume
1.5 mM	-	-
2 mM	0.4 µl	1.0 µl
3 mM	1.2 µl	3.0 µl
4 mM	2.0 µl	5.0 µl
5 mM	2.8 µl	7.0 µl