

Data sheet

This data sheet provided for information only

2.5X UniBuffer-15GR

RESEARCH USE ONLY**"Ready-to-load" 2,5X UniBuffer for Amplification with HF-Fuzz, UltraSmarTaq, HS-StormTaq Polymerases**

Cat. No.	Pack	Conc.
UBG-1511	100 rnx	2,5 X
UBG-1515	500 rnx	2,5 X

Stability:

2,5X UniBuffer-15GR stable for 24 months at -20°C, or for 6 months at +4°C storage without freezing.

Content:

1X: Reaction buffer components

1,5 mM MgCl₂

Two inherent dyes

Stabilizer/enhancer

DESCRIPTION

2,5X UniBuffer-15GR is intended for DNA amplification with HF-Fuzz, UltraSmarTaq and HS-StormTaq Polymerases in a "regular" PCR mode, or "fast PCR", providing high specificity amplification.

2,5X UniBuffer-15GR contains two inherent dyes, stabilizer/enhancer, which thermo stabilizes enzymes during PCR.

2,5X UniBuffer-15GR contains 1,5mM of MgCl₂ at 1X dilution. For some applications recommended to titrate Mg concentration (not included) for the best amplification results.

NOTE: 2,5X UniBuffer-15GR can't be used with the regular Taq-based PCR enzymes, it's specially designed for the enzyme group, mentioned above.

An utilization of **2,5X UniBuffer-15GR** allows to apply an aliquote of PCR reaction mixture, after PCR run, directly to the gel for electrophoresis, without "loading dye" addition.

APPLICATIONS:

- Hi-Fi PCR (for HF-Fuzz)
- Routine PCR
- Primer extension
- Low-copy PCR
- Multiplex PCR

STORAGE CONDITIONS :

Store **2,5X UniBuffer** at -20°C (for long term storage).

SHIPPING CONDITIONS:

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