

Data sheet

This data sheet provided for information only

2.5X UniBuffer-35GR**RESEARCH USE ONLY****"Ready-to-load" 2,5X UniBuffer for Amplification with HF-Fuzz, UltraSmarTaq, HS-StormTaq Polymerases**

Cat. No.	Pack	Conc.
UBG-1521	100 rxn	2,5 X
UBG-1525	500 rxn	2,5 X

Stability:

2,5X UniBuffer-35GR stable for 24 months at -20°C, or for 6 months at +4°C storage without freezing.

Content:

1X: Reaction buffer components
3,5 mM MgCl₂
Two inherent dyes
Stabilizer/enhancer

DESCRIPTION

2,5X UniBuffer-35GR is intended for DNA amplification with HF-Fuzz, UltraSmarTaq and HS-StormTaq Polymerases in a "regular" PCR mode, "fast PCR" and "direct-blood" PCR, providing high specificity amplification. **2,5X UniBuffer-35GR** contains two inherent dyes, stabilizer/enhancer, which thermostabilizes enzymes during PCR at high temperatures (over 95°C, up to 98°C). **2,5X UniBuffer-35GR** contains 3,5mM of MgCl₂ at 1X dilution, especially for "direct-blood" or DBS (dried blood spot) amplification.

NOTE: 2,5X UniBuffer-35GR can't be used with the regular Taq-based PCR enzymes, it's specially designed for the enzyme group, mentioned above.

A utilization of **2,5X UniBuffer-35GR** allows to apply an aliquot 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
- "direct-blood" & DBS PCR (HF-Fuzz, UltraSmarTaq, HS-StormTaq)
- "fast PCR"
- 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**