

Data sheet

This data sheet provided for information only

2.5X UniBuffer-3500**RESEARCH USE ONLY****2,5X UniBuffer for Amplification with
HF-Fuzz, UltraSmarTaq, HS-StormTaq Polymerases**

| Cat. No. | Pack | Conc. |
|-----------------|----------------|--------------|
| UBG-3511 | 100 rxn | 2,5 X |
| UBG-3515 | 500 rxn | 2,5 X |

Stability:

2.5X UniBuffer-3500 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
Stabilizer/enhancer

DESCRIPTION

2.5X UniBuffer-3500 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-3500 contains two inherent dyes, stabilizer/enhancer, which thermostabilizes enzymes during PCR at high temperatures (over 95°C, up to 98°C).

2.5X UniBuffer-3500 contains 3,5mM of MgCl₂ at 1X dilution, especially for "direct-blood" or DBS (dried blood spot) amplification.

NOTE: 2.5X UniBuffer-3500 can't be used with the regular Taq-based PCR enzymes, it's specially designed for the enzyme group, mentioned above.

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-3500** at -20°C (for long term storage).

SHIPPING CONDITIONS:

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