

TECHNICAL SHEET:

10x Taq Buffer

Ref :

PW09-01	Mg ²⁺ plus
PW09-02	Mg ²⁺ free
PW09-03	Optimisation concentration Mg ²⁺

Storage : at -20°C for one year.

Quantity : 0.5 ml

Description :

10x Taq Buffer is specifically formulated for optimal activity and stability of Taq DNA Polymerase in PCR applications. This buffer provides the necessary components to ensure high yield and specificity of DNA amplification. The buffer typically contains Tris-HCl, KCl, and sometimes MgCl₂, though MgCl₂ may be provided separately to allow for flexibility in adjusting Mg²⁺ concentrations depending on specific PCR requirements.

Applications :

- Used to provide optimal conditions for Taq DNA Polymerase activity during PCR.
- Enhances the specificity and yield of PCR by providing a stable ionic environment.
- Can be supplemented with additional components (like detergents or stabilizers) depending on specific experimental needs.