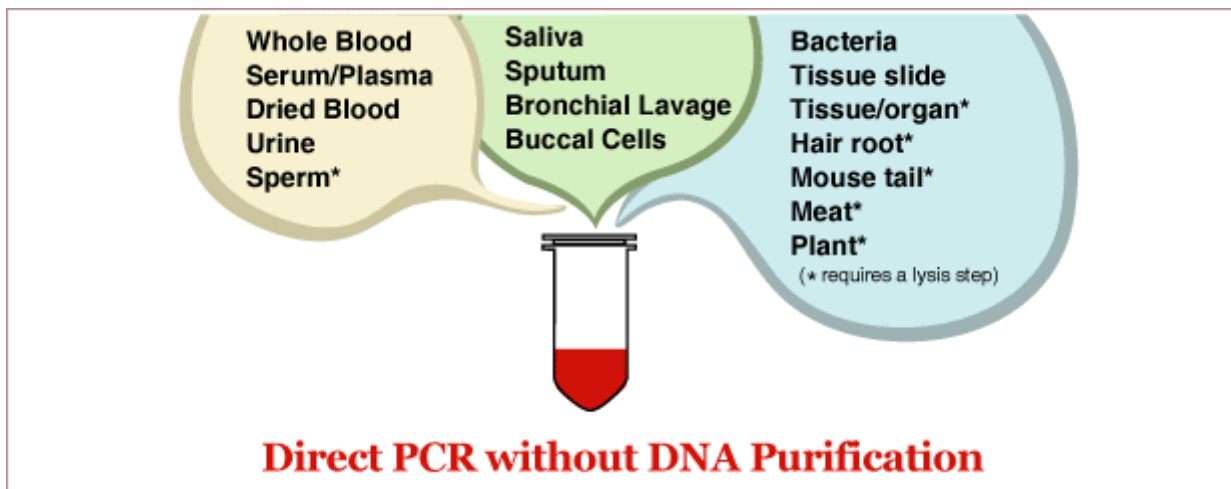


## EzWay™ Direct PCR Buffer

(Cat# K0568001)

Using EzWay™ Direct PCR buffer, DNA amplification is achieved from whole blood with a variety of thermostable DNA polymerases. Amplification occurs regardless of target size (up to 1.7 kb), presence of various known PCR inhibitors, and high target GC content. Importantly, low copy number DNA targets are effectively amplified from whole blood. EzWay™ Direct PCR buffer allows direct PCR from whole blood and may facilitate detection of genetic diseases or infections by eliminating the time and effort for DNA extraction.

The use of EzWay Direct PCR buffer could facilitate the development of high-throughput PCR for large-scale diagnostic screening or investigation of various medical conditions.



- **There is no need to purify DNA prior to PCR.**
  - It saves the time & cost to perform DNA purification.
  - It gives convenience by omitting the complicated DNA purification process.
  - It minimizes the risk of DNA contamination during reagent handling.
  - It prevents the loss of trace samples in the DNA purification process.
  - Easy PCR Handling and Automation
  - Small amount of samples is feasible
- **DNA from various samples can be amplified directly without purification from the sample.**
  - Whole Blood, Blood Stains, Blood Cards, Buccal Swab, Saliva, Hair root, sperm, Body Fluid, Cultured Cells, Bacteria, Viruses, and Tissues (fresh, frozen or paraffinized) etc.
- **Any DNA polymerase can be used with EzWay™ Direct PCR buffer for Direct PCR.**
  - Compatible with various sources of thermostable DNA polymerases (e.g. Taq, Pfu, Pwo, Tth DNA polymerase, all types of hot start DNA polymerase)

**Hot start PCR effect without additional manual Hot Start Method or Hot start enzyme**