

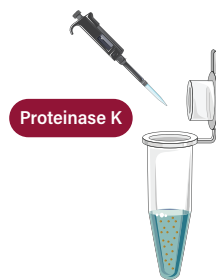
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Blood & Cell DNA Extraction Kit

Quick Start Guide

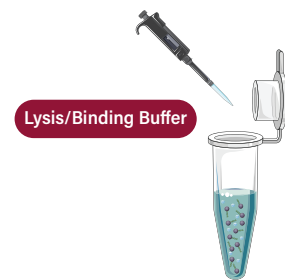
- 1 In 1.5ml microfuge tube, add 20µl of **Proteinase K**. Then add 100µl* of whole blood sample or 100µl of cell suspension in 1x PBS.

** For 200µl of whole blood, use 600µl of Lysis/Binding Buffer in step 2*

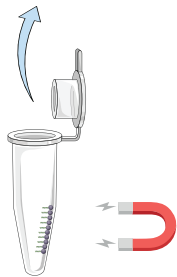


- 2 Add 400µl of **Lysis/Binding Buffer** and mix well by pipetting up-down 20x.

Incubate 5 mins at room temp (20-25°C) to allow for lysis and DNA binding.

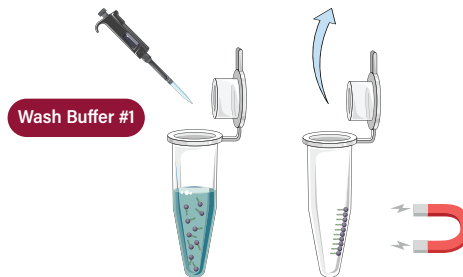


- 3 Place tube on magnetic rack for 5 mins to capture DNA-bead complex, then discard supernatant.

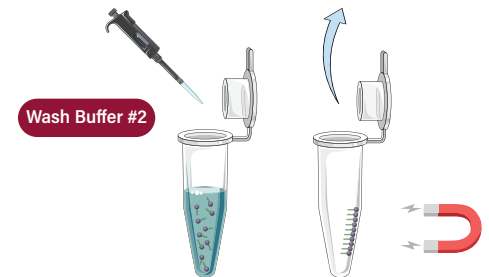


- 4 Remove tube from magnetic rack and **resuspend DNA-bead complex in 600µl of Wash Buffer #1**. Mix well by pipetting up-down 10-15x.

Return to magnetic rack for 5 mins, then discard supernatant.



- 5 Repeat wash with 600µl of **Wash Buffer #2**, return to magnetic rack for 1-2 mins, then discard supernatant and leave to dry for 1 min.

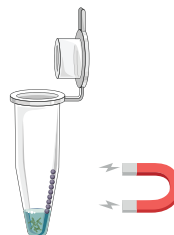


- 6 Remove tube from magnetic rack and **resuspend DNA-bead complex in 50-100µl of Elution Buffer***. Mix well by pipetting up-down 15-20x to elute DNA from beads and let stand for 1-2 mins.

** Recommended elution is 50-100µl for blood sample and 100µl per 1x10⁶ cell suspension sample*



- 7 Place tube on magnetic rack to capture beads (~1-2 mins).



- 8 Transfer the eluted DNA solution (supernatant) to a clean microfuge tube.

