

Cat. No. JZ88-T001



- **Product Description**

## **T-Pro FastEZ Purix Blood DNA Extraction Kit 200**

<b>Intended Use</b>	T-Pro FastEZ Purix Blood DNA Extraction Kit is used with the T-Pro Auto 12t System instrument for extraction of gDNA from 100-200µl mammalian blood, suspension of mammalian blood cells.
<b>Application</b>	Nucleic acids extracted from whole blood kit can be used in a number of downstream application including: PCR, qPCR, Sequencing(NGS), SNPAnalysis, Microarray, RFLP,Southern Blot Analysis, Methylationstudies.

- **Kit Component**

<b>Kit Contents</b>	<b>Q'ty</b>
Reagent Cartridge	36 pcs(6x6)
Reaction Chamber	36 pcs(6x6)
Tip Holder	36 pcs
Filtered Tip	38 pcs
Piercing Pin	38 pcs
Sample Tube (2 mL)	38 pcs
Elute Tube (1.5 mL)	38 pcs
Barcode Paper	1 pc

- **Technical Data**

<b>Starting Material</b>			
<b>Sample Type</b>	<b>Target Nucleic Acid</b>	<b>Sample Volume</b> (Amount of starting material)	<b>Elution Volume</b>
Whole Blood	<b>Total DNA</b> ( Genomic DNA mitochondrial and Viral DNA )	100 µl, 200 µl	100 µl or 200 µl
Buffy Coat		50 µl	100 µl or 200 µl
Serum, Plasma		200 µl	100 µl or 200 µl
Lymphocytes		200 µl /Up to 5 x 10 <sup>6</sup> lymphocytes in 200µl PBS	100 µl

- T-Pro FastEZ Purix Blood DNA Extraction Kit has proven to work for fresh or frozen blood samples collected in tubes containing common anti-coagulants like EDTA, heparin and citrate.
- If the sample volume is less, add the appropriate volume of PBS
- If use the concentrated buffy coat (purified and free of blood), the T-Pro FastEZ Purix Culture Cell

- **Expected Purity and Yield**

<b>Sample material</b>	<b>Volume or Amount</b>	<b>DNA Yield</b>	<b>Purity</b>
<b>Whole Blood</b>	100 µl	2-4 µg	OD260/OD280 >=1.7
<b>Whole Blood</b>	200 µl	4-7 µg	OD260/OD280 >=1.7
<b>Buffy coat</b>	50 µl	6-13 µg	OD260/OD280 >=1.7
<b>Lymphocytes</b>	200µl (5 x 10 <sup>6</sup> )	20-25µg	OD260/OD280 >=1.7