

## Blood DNA Preps: Comparison of JETQUICK ,Blood‘ with competitors

Specification	JETQUICK	Qiaamp	Eppendorf	Nucleospin
Technology	<b>Spin or vacuum procedure</b>	Spin or vacuum procedure	Spin procedure	Spin procedure
Type of matrix	Silica membrane	Silica membrane	Silica membrane	Silica membrane
Sample source	<b>Blood, biological fluids</b>	Blood, biological fluids	Mainly blood	Blood
Handling of product	<b>Very convenient</b>	convenient	Long procedure	convenient
Time needed per preparation	<b>20 - 25 min</b>	20 - 55 min	25 min	up to 1 hour
Max. size of DNA	<b>30 - 50 kb</b>	30 kb	30 kb	<30 kb
DNA Yield Mini:	<b>5 – 10 µg from 200 µl whole blood</b>	4 – 6 µg from 200 µl whole blood	3 – 5 µg from 200 µl whole blood	4 – 6 µg from 200 µl whole blood
DNA Yield Midi:	<b>Up to 150 µg (1 – 5 ml blood)</b>	20 – 60 µg (0.3 – 2 ml blood)	Not offered	40 – 60 µg up to 2 ml whole blood
DNA Yield Maxi:	<b>Up to 600 µg (5 – 20 ml blood)</b>	300 – 500 µg (2 – 10 ml blood)	Not offered	200 – 300 µg up to 10 ml blood
Preparation of RNA-free DNA	<b>RNase included</b>	No RNase included	No RNase included	No RNase included
DNA Quality	<b>Highly pure</b>	pure	pure	pure
PCR	<b>yes</b>	yes	variable	variable
Blotting	<b>yes</b>	yes	yes	yes
Restriction	<b>yes</b>	yes	variable	variable