

DNA/RNA Extraction Samples Specification

Blood DNA	
Features	Specification
Sample Type	Whole blood/ Frozen/ Buffy coat
Purified Nucleic Acid	Genomic DNA
Sample Amount	300 µl whole blood/Frozen blood/ Buffy coat
Typical yield	2 - 5 µg

Blood RNA	
Features	Specification
Sample Type	Whole blood/ Frozen/ Buffy coat
Purified Nucleic Acid	Genomic RNA
Sample Amount	50 - 300 µl whole blood/Frozen blood/ Buffy coat
Typical yield	50- 300 ng

Stool cell DNA	
Features	Specification
Sample Type	Stool
Purified Nucleic Acid	Genomic DNA
Sample Amount	50mg Stool
Typical yield	2 - 16 µg

Tissue DNA	
Features	Specification
Sample Type	Animal tissue
Purified Nucleic Acid	Genomic DNA
Sample Amount	50 - 100mg tissue
Typical yield	5 -40 µg

Viral DNA/ RNA	
Features	Specification
Sample Type	Serum, PBS suspension, VTM swabs
Purified Nucleic Acid	Viral DNA and RNA
Sample Amount	200 µl / 300 µl sérum, PBS suspension
Typical yield	1 -20 µg

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Plant DNA	
Features	Specification
Sample Type	Plant tissue
Purified Nucleic Acid	Genomic DNA
Sample Amount	50-100 mg plant tissue
Typical yield	2 - 5 µg

Plant RNA	
Features	Specification
Sample Type	Plant tissue
Purified Nucleic Acid	Genomic RNA
Sample Amount	50-100 mg plant tissue
Typical yield	2 - 5 µg

Bacteria DNA	
Features	Specification
Sample Type	Cultured Bacteria
Purified Nucleic Acid	Genomic DNA
Sample Amount	<3 X 10 ⁵ cells
Typical yield	1 - 20 µg

Fungal DNA	
Features	Specification
Sample Type	Fungi
Purified Nucleic Acid	Genomic DNA
Sample Amount	50-100 mg
Typical yield	2 - 10 µg

Forensic DNA	
Features	Specification
Sample Type	Forensic specimen (swab/ Butts/ Stain/ Hair/ Chewing gum/ Fingerprints)
Purified Nucleic Acid	Total DNA
Sample Amount	Variable
Typical yield	2 - 5 µg