

■ Sample Preparation Service

General Information

High quality DNA and RNA are a central success factor when entrusting ATLAS Biolabs with SNP genotyping or expression profiling services. ATLAS Biolabs offers to carry out isolation of DNA and RNA for all customers who do not want to spend their time in these routine procedures.

Service Range

- DNA isolation from:
Blood
Saliva (based on Oragene DNA system)
- RNA extraction from:
Animal cell cultures
Animal tissues

Quality control

ATLAS Biolabs is certified according to the international standard DIN EN ISO 9001:2008. Our processes are subject to rigorous quality control at all steps:

- RNA quality is verified on an Agilent 2100 Bioanalyzer by calculating RIN (RNA integrity number) values. RNA quantity is determined photometrically. In addition, OD260/280 and OD 260/230 ratios are also measured.
- DNA quality is verified on a standard agarose gel. DNA quantity is determined photometrically. In addition, OD260/280 and OD 260/230 ratios are measured.

Reporting

Customers receive a full report including

- All QC parameters (RIN for RNA, OD260/280, OD260/230)
- Agarose gel images for DNA
- Concentration and total amount of nucleic acid

