



ISO 13485

LL-C (Certification)

HMW DNA purification

Size matters.



A&A BIOTECHNOLOGY
innovating life science

Purification of High Molecular Weight DNA

HMW DNA • ion exchange purification • long-read sequencing • no centrifugation

Our kits are purpose-built to deliver intact, high-purity genomic DNA in the **50–100 kb** range – the fragment size required for demanding long-read platforms such as Oxford Nanopore and PacBio.

Every step of the protocol has been refined to minimize mechanical shearing and maximize DNA integrity.

Why A&A Biotechnology kits for HMW DNA?

- **Flexible**

Kits adapted to different sample types, workflows, and downstream applications.

- **Easy & Automated**

Streamlined protocols with gravity-based separation eliminate centrifugation during column purification and simplify processing.

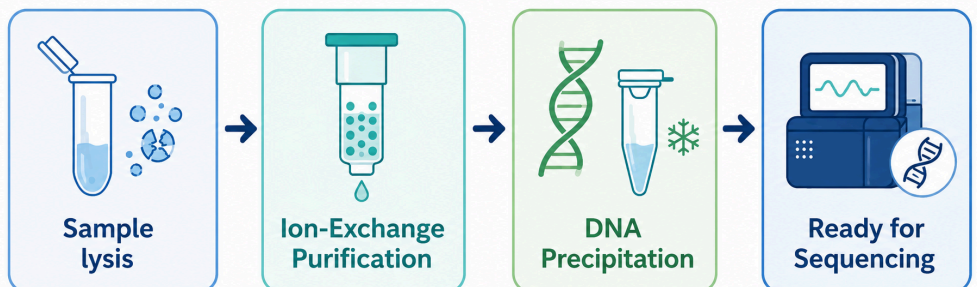
- **High Standard**

Unique ion-exchange purification technology ensures exceptional DNA integrity, purity, and reproducibility for long-read sequencing applications.

Specification

- Gravity based separation – centrifugation-free during column purification
- DNA precipitation – full control over concentration and buffer
- Unique ion-exchange purification technology

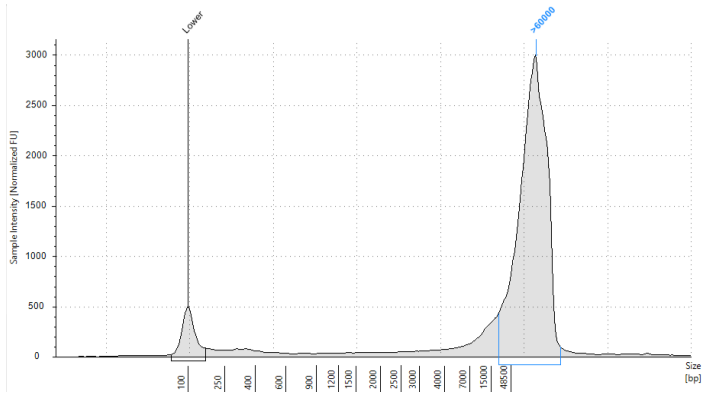
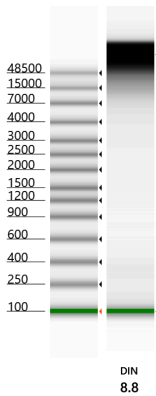
Simple 4-Step Workflow



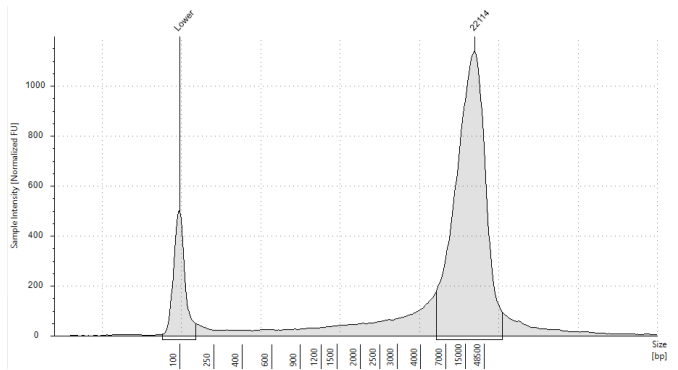
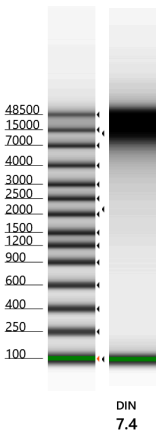
Isolation Performance

Fragment Size Profile – TapeStation Analysis

Representative electropherogram showing the fragment size distribution of HMW DNA isolated from a fresh cell culture using the Genomic Mini AX Tissue kit (cat. no. 056-60). DIN (DNA Integrity Number): 8.8.



Representative electropherogram showing the fragment size distribution of HMW DNA isolated from dried leaf tissue using the Genomic Mini AX Plant kit (cat. no. 050-60). DIN (DNA Integrity Number): 7.4.




Ordering information

cat.#	name	size
060-60	Genomic Mini AX Bacteria	60 isolations
060-60M	Genomic Mini AX Bacteria+	60 isolations
052-40M	Genomic Mini AX Body Fluids	40 isolations
053-60	Genomic Mini AX Food	60 isolations
050-60	Genomic Mini AX Plant	60 isolations
065-60	Genomic Mini AX Stool	60 isolations
066-60	Genomic Mini AX Streptomyces	60 isolations
056-60	Genomic Mini AX Tissue	60 isolations
058-60	Genomic Mini AX Yeast	60 isolations

For research use only.

Contact us at orders@aabiot.com to order samples or discuss your application needs.

Visit us at  www.aabiot.com and find out more!

 Produced in the EU – Gdańsk, Poland 

 www.aabiot.com
 orders@aabiot.com
 +48 600 776 268
 Strzelca 40
80-299 Gdańsk

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