

# Products



# Reveal more biology. In one go

Delivering any read length, ultra-rich datasets, and real-time insights, Oxford Nanopore sequencing answers the bigger, bolder research questions you always wanted to ask.



## Richer insights

Highly accurate genomic, epigenomic, and transcriptomic data for comprehensive variant detection



## Faster results

Near-sample, real-time workflows that don't require batching

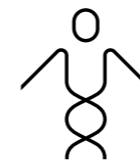


## Accessible and affordable

Scalability that enables every application

# End-to-end workflows — from sample to insight

Explore our growing range of best-practice, sample-to-answer workflows — designed to guide you all the way from sample extraction to informative results.



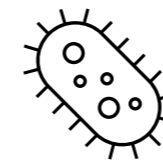
## Human and clinical research

- Human variant and methylation calling
- Hereditary cancer panel
- Pharmacogenomics panel
- Genome assembly
- Cell-free DNA sequencing
- Telomere sequencing



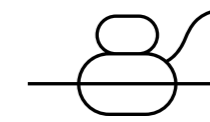
## Biopharma

- Plasmid quality control
- AAV sequencing
- Amplicon sequencing
- mRNA quality control
- Microbial isolate sequencing
- 16S and ITS sequencing



## Microbiology and infectious disease

- Microbial isolate sequencing
- Metagenomics
- 16S and ITS sequencing
- Targeted microbial identification
- Plasmid sequencing



## Gene expression

- Single-cell sequencing
- Spatial transcriptomics



## Running routine workflows?

Discover the Q-Line portfolio — designed for long-term, internally validated assays that demand enhanced support and device security. Visit [nanoporetech.com/q-line](https://nanoporetech.com/q-line).

# Scalable sequencing for every application

Oxford Nanopore sequencing devices provide powerful sequencing at any scale, giving you the flexibility to reveal new biology, whatever your application.

Small genome sequencing | Targeted sequencing | Microbial identification |  
Antimicrobial resistance profiling | Gene expression studies



**MinION™ Mk1D**  
Palm sized, world ready



**GridION™**  
One sequencer for many



**PromethION™ 2 Integrated**  
Small box, big picture



**PromethION 24**  
Sequencing to the power of 24

Human and large genome sequencing | Cancer research | Metagenomics |  
Isoform-level transcriptomics | Single-cell sequencing

	1 MinION Flow Cell	1-5 MinION Flow Cells	1-2 PromethION Flow Cells	1-24 PromethION Flow Cells
<b>Flow cells</b>	1 MinION Flow Cell	1-5 MinION Flow Cells	1-2 PromethION Flow Cells	1-24 PromethION Flow Cells
<b>Typical output*</b> Per flow cell Per device	15-35 Gb 15-35 Gb	15-35 Gb 75-175 Gb	100-200 Gb 200-400 Gb	100-200 Gb 2.4-4.8 Tb
<b>Read length</b>	Any read length. From 20 bp to over 4 Mb			
<b>Sequencing run time</b>	<1-72 hours — real-time data streaming for immediate insights.		Stop once sufficient data generated; wash and reuse flow cell	
<b>Onboard data analysis</b>		✓	✓	✓
<b>Integrated touchscreen</b>			✓	
<b>Weight   Size (W x H x D)</b>	130 g   55 x 13 x 125 mm	14.4 kg   365 x 220 x 370 mm	10.6 kg   225 x 180 x 430 mm	Sequencing Unit: 23 kg   590 x 190 x 430 mm Data Acquisition Unit: 26 kg   178 x 440 x 470 mm

\*Flow cell output will vary according to library type, run conditions, and other sample-specific factors.

# Simplify your library preparation

Offering library preparation in as little as 10 minutes and automation-friendly formats, our kits deliver streamlined options to suit your application.



	Native DNA			Amplified DNA	Targeted	RNA	
	Ligation Sequencing Kit	Rapid Sequencing Kit	Ultra-Long Sequencing Kit	Rapid PCR Barcoding Kit	Microbial Amplicon Barcoding Kit	cDNA-PCR Sequencing Kit	Direct RNA Sequencing Kit*
Preparation time	60 min	10 min	200 min + 1 x O/N incubation	15 min + PCR	60 min + PCR	225 min + PCR	135 min
Input	~1 µg gDNA or 100–200 fmol for amplicons	~200 ng gDNA or 50 ng for amplicons	6M cells	1–5 ng gDNA	10 ng gDNA	10 ng poly(A)+ RNA or 500 ng total RNA	300 ng poly(A)+ RNA or 1 µg total RNA
Multiplexing options	✓	✓		✓	✓	✓	✓
Read length	Equal to fragment length	Random distribution, dependent on input fragment length	N50 >50 kb	~2 kb	Full-length 16S gene and ITS region	Enriched for full-length cDNA	Equal to RNA length
PCR required				✓	✓	✓	
Methylation included	✓	✓	✓				✓
Product range highlights	Highest output	Fastest library prep	Ultra-long reads	Low input requirements	High-resolution identification of bacteria, archaea, and fungi	Identify and quantify full-length transcripts	Detect modified bases for free

\*Requires RNA Flow Cell. All other kits require DNA Flow Cells.

Transform your targeted sequencing assays with digital panels (see page 8)

# Unleash the power of real-time data

Real-time data streaming enables optimisation during sequencing and immediate access to results.

## Immediate insights

MinKNOW™ software powers all Oxford Nanopore devices and enables you to:

- Get immediate feedback on run quality and performance metrics
- Set your data goals in advance (e.g. coverage depth) — run stops automatically, enabling flow cell reuse
- Perform real-time, on-device enrichment of target regions through Adaptive Sampling

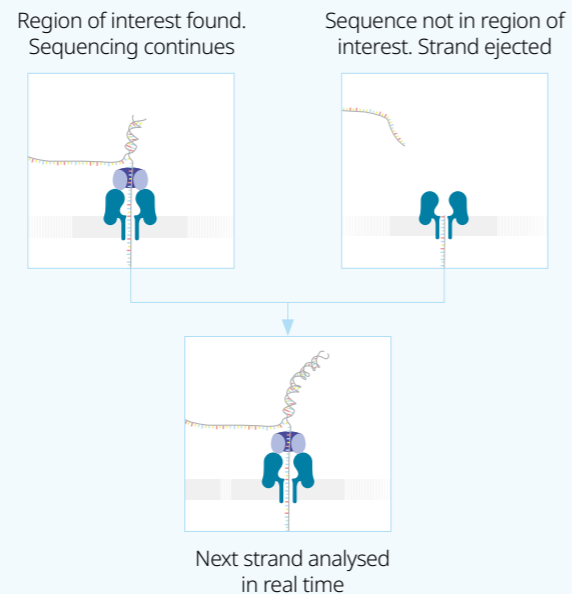


## Targeted sequencing reinvented

Still relying on fixed, predesigned primers and time-consuming optimisation?

Now you can design digital panels that enrich targets without prior PCR amplification. Powered by Adaptive Sampling, a novel on-device method for real-time enrichment and depletion, digital panels streamline your workflow and deliver richer insights through access to challenging regions and preservation of base modifications.

Learn how to design your own digital panels and explore our growing range of predesigned panels, including the **Hereditary Cancer Panel** and **Pharmacogenomic Panel**, at [nanoporetech.com/adaptive-sampling](https://nanoporetech.com/adaptive-sampling).



# Streamlined analysis with EPI2ME™

Transform your data into meaningful insights with EPI2ME. Access a growing range of best-practice analysis pipelines, delivered through intuitive point-and-click software or the command line.

Run locally or in the cloud

Detailed interactive reports

Intuitive interface

Preconfigured workflows

Compatible with macOS, Windows, and Linux



# Expert support, when you need it

Keep your Oxford Nanopore sequencing device performing at its best with our Support Plans. All device purchases include one year of Standard Plan support, while the Enhanced Plan adds priority response and tailored training for added reassurance.

	MinION Mk1D	GridION   PromethION 2 Integrated   PromethION 24	
	Standard Plan	Standard Plan	Enhanced Plan*
Installation onboarding†	✓ (self-serve, online)	✓ (online)	✓ (on site)
Training			Two-day on-site training
Email / chat support	Mon–Fri, 9:00–17:00 (local)	Mon–Fri, 9:00–17:00 (local)	Mon–Fri, 24 hours (prioritised)‡
Phone support			✓
On-site repairs		✓	✓
Replacement	✓	✓	✓
Loan device (during prolonged downtime)			✓
Preventative maintenance visit			✓
Documentation support			✓
Service-level agreement response time			✓‡

\*Enhanced Plans available in selected countries only — contact your local representative for more information.

†Installation onboarding: MinION (self-serve, online); GridION and PromethION 2 Integrated (one business day, online); PromethION 24 (two-and-a-half business days, on site).

‡Visit [nanoporetech.com/support-plans](https://nanoporetech.com/support-plans) for full details.

Discover our full range of training and support options at [nanoporetech.com/services](https://nanoporetech.com/services).

‘Long-read sequencing allows us to phase complex genetic variants, resolve repetitive regions, and capture methylation and transcriptomic data from the same molecule ... we were able to reveal more biology that short-read technologies miss’

Kimberley Billingsley,  
Center for Alzheimer’s and Related Dementias

‘It’s a real joy to use Adaptive Sampling. It’s a very cost-effective and efficient process. We’ve used it across many projects’

Tom Walsh,  
University of Washington

Ready to reveal more biology,  
in one go? Buy now at  
[store.nanoporetech.com](https://store.nanoporetech.com)







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