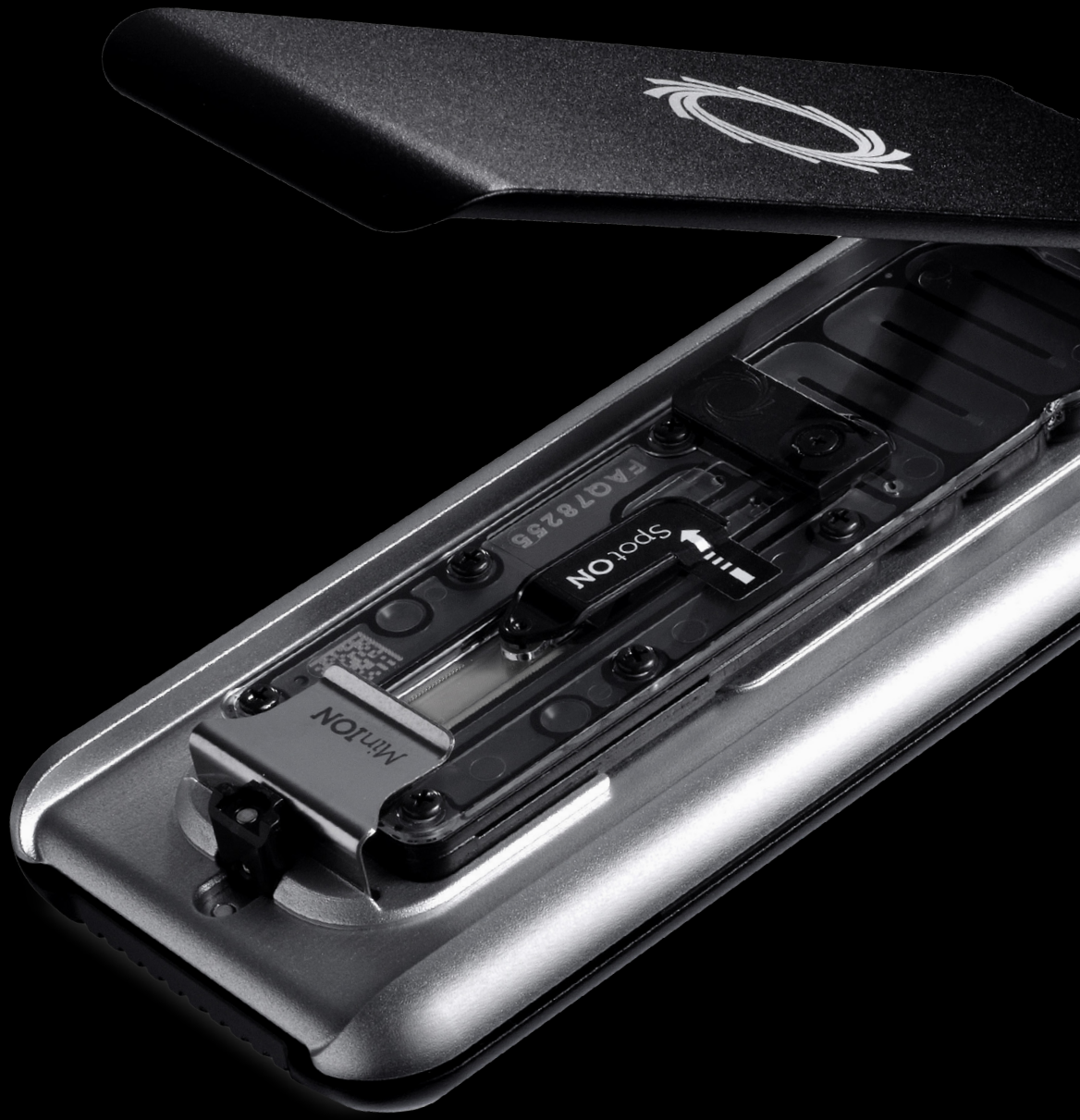
Oxford Nanopore Technologies

MinION

Palm sized, world ready

Portable yet powerful, MinION™ is ideal for labs looking for rapid results without compromise.

Take your insights further afield with the real-time nanopore sequencer that goes wherever you go. Just plug it into your laptop and start generating up to tens of gigabases of data.



Small genome sequencing

Targeted sequencing

Microbial identification

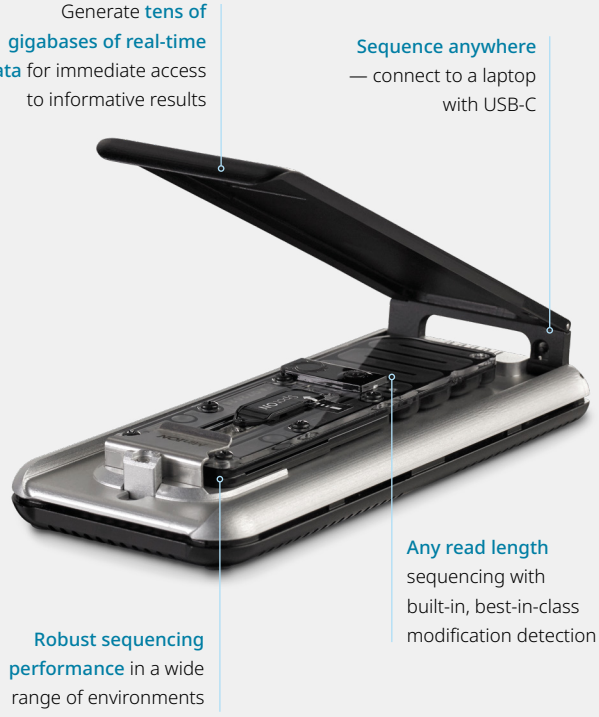
Antimicrobial resistance profiling

Gene expression studies

Find your application at **nanoporetech.com/applications**

MinION Mk1D

A powerful, palm-sized sequencer for anyone, anywhere



MinION Mk1D specifications: Flow cells: 1 MinION Flow Cell. **Typical output:** 15–35 Gb/flow cell. **Read length:** From 20 bp to over 4 Mb. **Sequencing run time:** <1–72 hours. **Weight | Size (W x H x D):** 130 g | 55 x 13 x 125 mm.

End-to-end workflows

Our best-practice, sample-to-answer workflows guide you step-by-step from sample extraction to informative results. Explore the latest workflows at **nanoporetech.com/application-workflows**.

Reveal more biology. In one go

With the ability to sequence native DNA and RNA of any length, Oxford Nanopore sequencing helps you capture more types of genetic variation for deeper, more comprehensive insights. Built-in methylation detection means no bisulfite or enzymatic conversion is required.

Example end-to-end workflows	Whole-plasmid sequencing	Amplicon sequencing	Pathogen metagenomics	Microbial amplicon sequencing
Benefits	Same-day full-length plasmid sequencing — no primers required	Rapid, scalable full-length amplicon validation	Streamlined pathogen identification from mixed microbial samples	Rapid, high-resolution identification of bacteria, archaea, and fungi
Rich data	Full-length plasmids, including SNVs, SVs, indels, and methylation	Full-length amplicons (500–5,000 bp) for comprehensive variant characterisation	Unbiased bacterial, fungal, and/or viral pathogen profiling	Full-length 16S gene and internal transcribed spacer (ITS) region for enhanced taxonomic resolution
Rapid results	Same day	Same day	From 1 day	Same day
Scalable throughput (samples/run/device)	Up to 96 samples	Up to 96 samples	Up to 22 (separate) / 11 (combined) samples	Up to 24 samples
Streamlined analysis	Intuitive local or cloud-based EPI2ME™ data analysis			

‘MinION is affordable, efficient, and can be seamlessly integrated into molecular biology laboratories’

Larráyoz, M.J. *et al.* Cancers (2025)

Discover more

Explore MinION Mk1D, compare our devices, and see how Oxford Nanopore sequencing helps you reveal deeper biological insights at **nanoporetech.com/minion**.

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