


High-throughput, real-time, and  
on-demand sequencing for your lab





“ [With the GridION] we can have more than one flow cell starting at a different time, running different samples, running the same sample and don't forget you can multiplex on them as well. ”

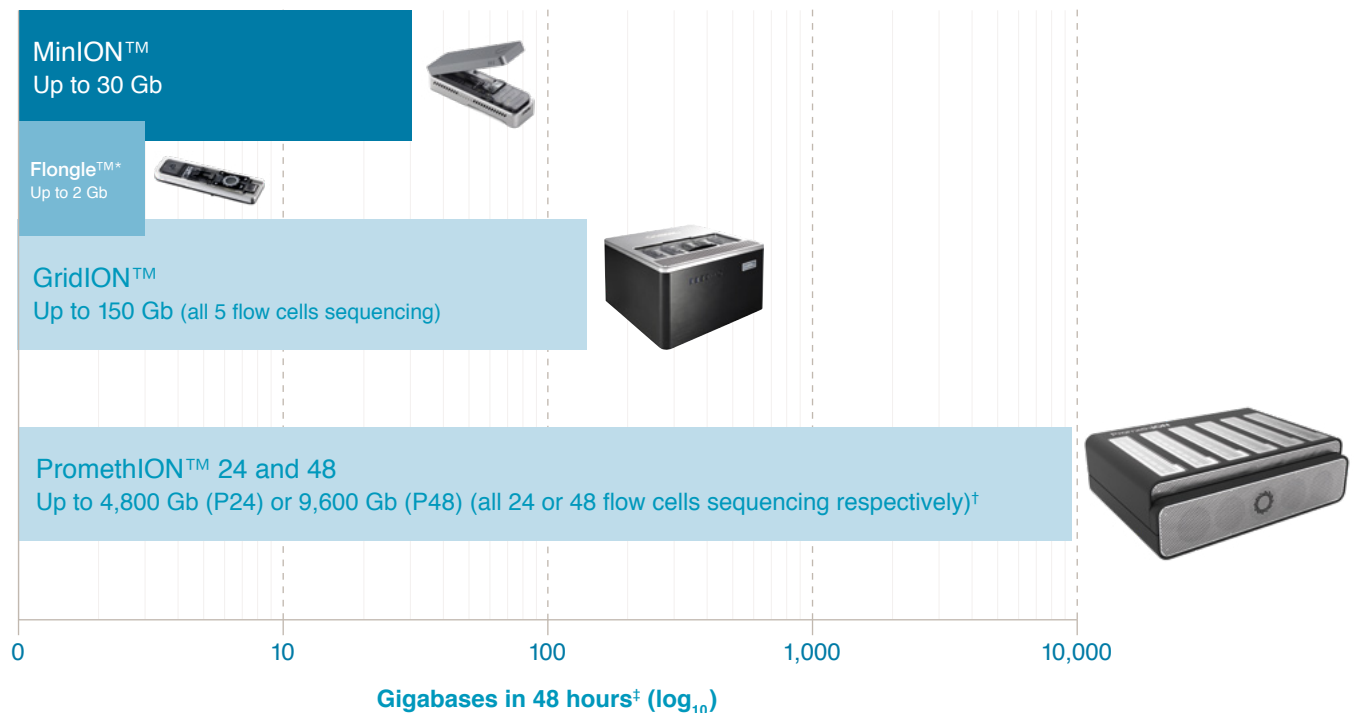
**Dr. Kim Judge**, Wellcome Sanger Institute

“ The GridION Mk1 from @nanopore is a breeze to install. It's about as plug and play as you can get with a piece of technology this advanced. ”

**James Ferguson**, Garvan Institute of Medical Research

GridION is a cost-effective and compact benchtop system offering on-demand sequencing with integrated real-time data processing

**With the capacity to run five flow cells either concurrently or individually, GridION provides busy labs and service providers with cost-efficient access to the advantages of long-read, real-time nanopore sequencing. Integrated, high-performance data processing alleviates the need for complex IT infrastructure.**

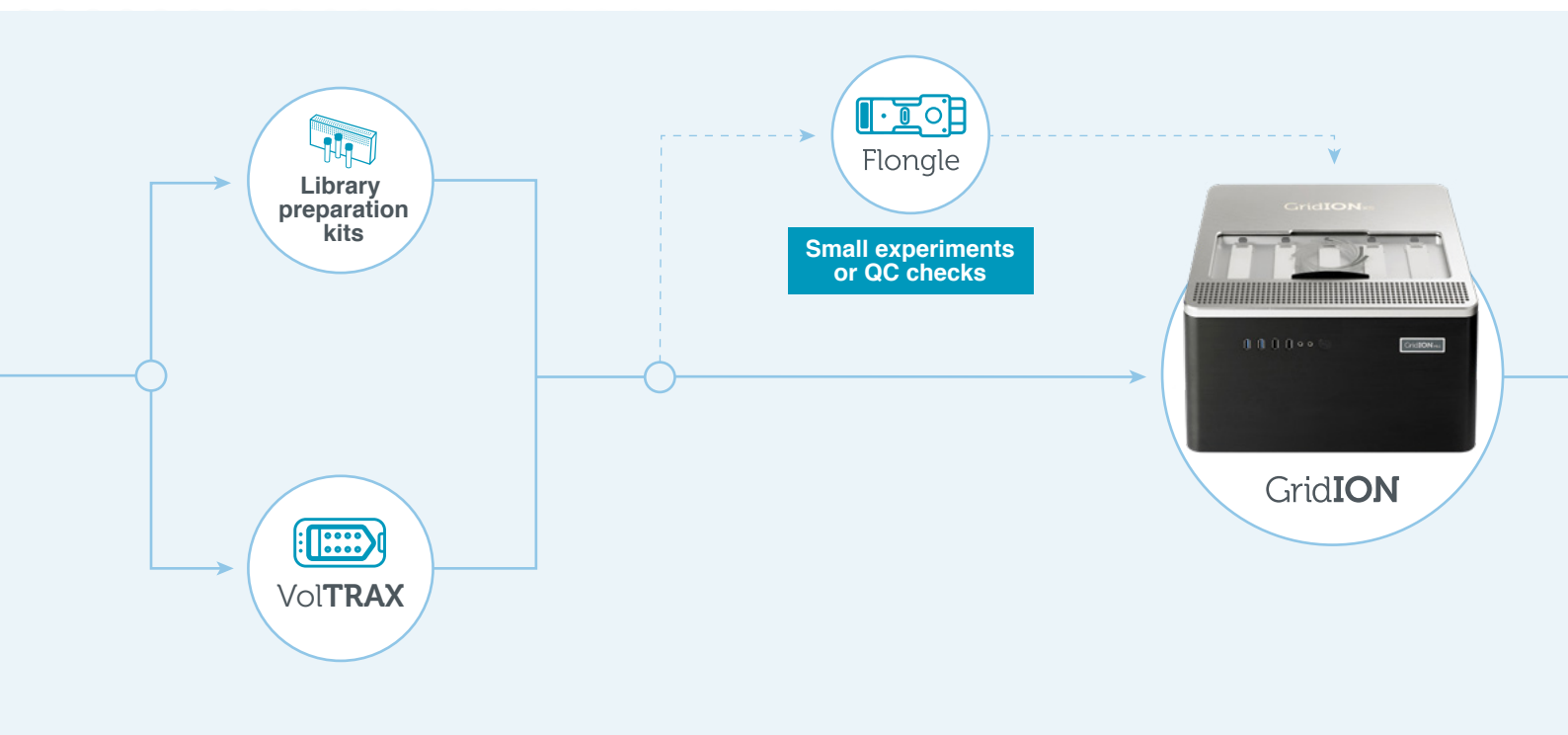


\* Flongle is a flow cell adapter for MinION and GridION, designed for rapid and cost-effective analysis of smaller tests and samples.

† Based on current, internal flow cell performance (theoretical performance of up to 15 Tb).

‡ Devices may be run for longer. 48 hours used for comparison purposes only.

# Streamlined sample prep, on-demand sequencing, and



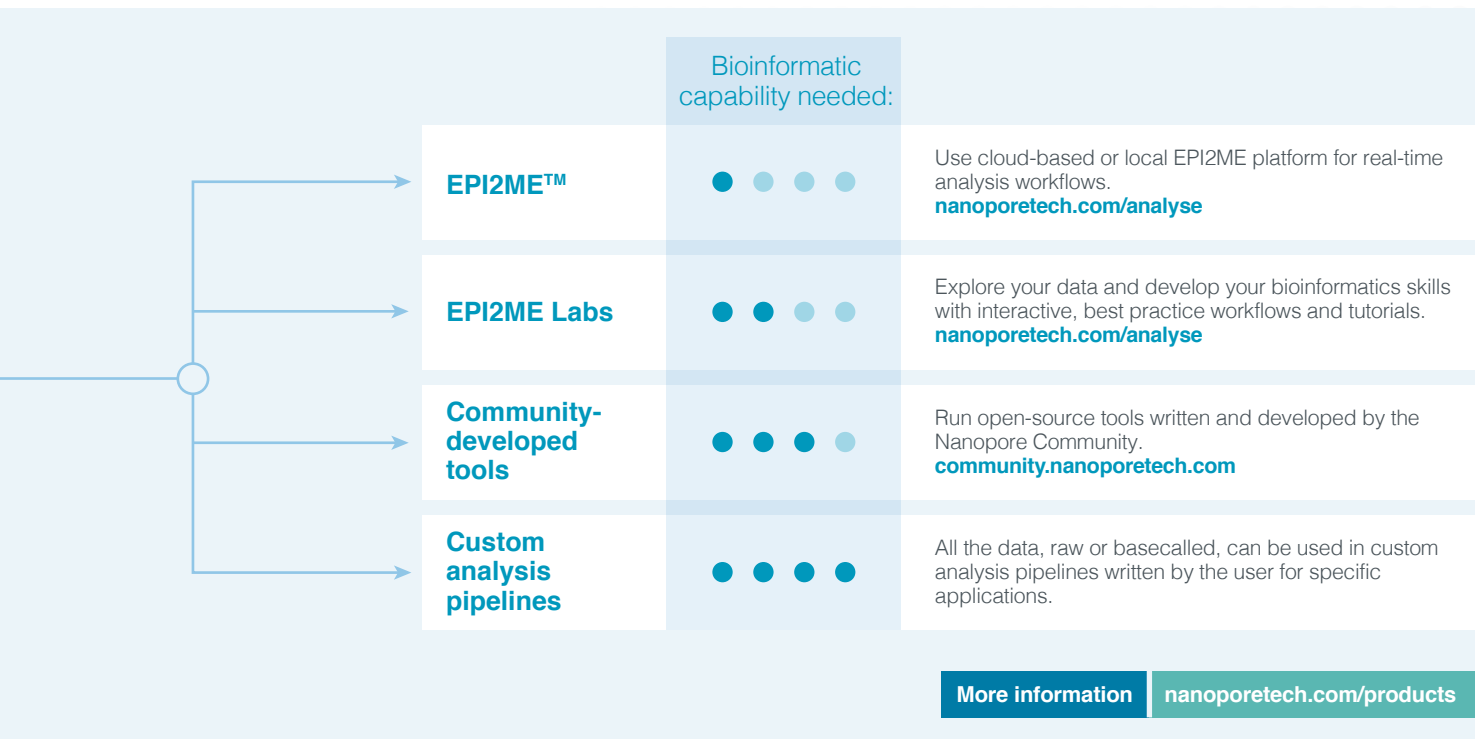
## Prepare

- Streamlined library preps — in as little as 10 minutes, with multiplexing options
- Scale according to your needs — same chemistry and kits used for Flongle, MinION, GridION, and PromethION
- Run smaller sequencing tests and experiments or cost-effectively check your sample quality using Flongle on GridION

## Sequence

- Sequence what you need, when you need it — no sample batching required
- Control each individual flow cell independently — run as many or as few as you wish at the same time, or add more whilst others are running
- GridION sequences DNA and RNA directly — meaning no amplification bias and retained modification information

# real-time analysis for rapid access to insightful results



## Analyse

- High-performance data processing capability with integrated basecall accelerator delivers real-time local analysis with no burden on existing IT infrastructure
- Discover EPI2ME and EPI2ME Labs for streamlined, best practice analysis pipelines and tutorials
- Choose to output the raw signal, or basecalled .fastq files, so you can use your own custom analysis pipelines

## Applications include:

- Flexible sequencing of whole genomes, targeted regions, and full-length RNA transcripts — all on one device
- Long reads enhance analysis of repetitive regions, structural variation, phasing, metagenomics, and more
- Quantify and characterise RNA splice variants, isoforms, and fusion transcripts

**More information**

[nanoporetech.com/applications](https://nanoporetech.com/applications)



# Choose your GridION Mk1 plan

	Starter Pack	CapEx*
GridION Mk1 device	1	1
Flow cells	60	-
Sequencing kits	10	-
Wash kits	5	-
Software licence and device warranty†	12 months	12 months
Remote Installation Assurance‡	Included	Included
* Device purchase. † Extended warranties available. ‡ A wide range of training and support services are available, visit <a href="http://store.nanoporetech.com/services">store.nanoporetech.com/services</a> for more information.	<b>\$49,955</b>	<b>\$69,955</b>

[Buy now](#) | [store.nanoporetech.com](http://store.nanoporetech.com)



Service provider certification is also available for the GridION.

# Supporting your research at every step

**All GridION purchase plans include Remote Installation Assurance and expert support as standard — enabling easy device setup and complete optimisation of all your nanopore sequencing projects. Our technical specialists are available to answer all your questions on nanopore technology.**

## Remote Installation Assurance

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- Remote walk-through and an overview of nanopore sequencing with Q&A
- Remote installation and configuration assistance
- Remote platform QC check

## Expert support

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- Access to Nanopore Community support features
- End-to-end online protocol builder
- Customer Services initial setup call
- Technical Support experimental setup call
- Live online chat with Technical Support
- Facility to book Technical Support sessions as required





# Training options to suit your laboratory's needs

	Rapid Start Day Training	Advanced Nanopore Training
Location*	Oxford Nanopore labs, your site, or online	Oxford Nanopore labs, your site, or online
Duration	1 day	2 days
Participants	Private session with up to 2 participants	Private session with up to 4 participants
Content	Bespoke to suit your needs	Bespoke to suit your needs
User-provided samples processed	1 sample	Multiple samples
Flow cells included	2	6
Kits included	1–2 <sup>†</sup>	2
Data analysis	Basic	Advanced
	<b>\$6,000</b>	<b>\$15,000</b>

\* Third party reagents are provided only when training at Oxford Nanopore labs.  
<sup>†</sup> Depending on application.

## Nanopore Workshops

Choose the Nanopore Introduction Workshop and/or Data Analysis Overview to learn the essentials of nanopore sequencing and data analysis — from \$750 per person.

**More information** [store.nanoporetech.com/services](https://store.nanoporetech.com/services)

# Simple plug-and-play setup

Step 1 Open the box



Step 2 Place CAREFULLY on desktop



Step 3 Put cable in the right hole...



Step 4 Turn it on!



Image courtesy of  
Dr. Alex Cagan  
Wellcome Sanger Institute

# Product specifications

## GridION Mk1\*

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- Up to 5 individually addressable flow cells
- 1 min – 72 hour run time
- As much as 150 Gb total yield across the device
- 2,560 channels across the device can be sequencing at once
- GPU-based compute enabling real-time basecalling alongside additional analysis provided by EPI2ME, EPI2ME Labs, or a wide range of community-developed tools

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**Power requirements:** 650 W

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**Storage:** 4 TB SSD

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**Memory:** 64 GB RAM

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**Weight:** 11 kg

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**Dimensions:** W 370 mm, H 220 mm, D 365 mm

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## GridION Flow Cells

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**Same flow cells as MinION device.**

- 1 min – 72 hour run time
- Up to 30 Gb per flow cell (theoretical maximum up to 50 Gb)
- 512 channels

## Flongle

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**MinION/GridION flow cell adapter for more cost-effective sequencing of smaller tests and experiments.**

- Up to 24 hour run time
- Up to 2 Gb (theoretical maximum up to 3.3 Gb)
- 126 channels

\* Standard computer monitor, keyboard and mouse required.

Buy now | [store.nanoporetech.com](https://store.nanoporetech.com)



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