

Device part number

ADP-FLG001

Device name

Flongle Adapter

Short description

Flongle is an adapter for MinION or GridION Mk1 that enables direct, real-time DNA or RNA sequencing on smaller, single-use flow cells — delivering up to 2.8 Gbases of data. Providing immediate access to sequence data, Flongle is designed to be the quickest, most accessible and cost-efficient sequencing system for smaller or more frequently performed tests and experiments.

Product overview

Flongle™ (flow cell dongle) is an adapter for MinION or GridION that enables direct, real-time DNA or RNA sequencing on smaller, lower cost, single-use Flongle flow cells.



The Flongle adapter contains 126 channels. Each nanopore channel is controlled and measured individually by the bespoke ASIC. This allows for multiple nanopores to be run in parallel. Users can simply insert Flongle flow cells into the adapter, run their experiment and then discard the Flongle flow cell and replace it with another.



Technical specifications

Component	Specification
Size and weight	L 92 x W 28 x H 7 mm
Power	Supplied by MinION or GridION Mk1
Connector	Compatible with MinION and GridION Mk1
Environmental Conditions	Designed to sequence at 18°C to 24°C Users can adapt this for other temperature requirements.

Shipping and logistics

The Oxford Nanopore Technologies Flongle adapter is stored and shipped at ambient temperature (15–25°C).

The delivery charges are calculated when a quote is raised or during checkout. Once an order is made, the delivery ID and delivery information can be tracked in the Store. Users buying the starter pack will be able to schedule their flow cells over the course of 12 months at point of checkout. We will endeavour to meet your shipping schedule, however we do expect very high demand on this product so our Customer Service team will be in touch on a regular basis to finalise dispatch dates.

There is a single delivery charge include in the Flongle starter pack. This is to cover the shipping of the adapter. Each subsequent consumable delivery will incur our standard shipping rate based on location.

Not included in this pack but required:

- A MinION Mk1B, Mk1C or GridION device
- Library preparation kits

IT requirements

[MinION Mk 1B IT requirements](#)

Safety and legal

Customers are required to perform a flow cell check prior to starting their sequencing experiment. Oxford Nanopore Technologies will replace any flow cell with fewer than 50 nanopores, when the result is reported within two days of performing the flow cell check, and when the storage recommendations have been followed. We deem the useful life of this product to be four weeks from receipt by the customer.

There is a 1 year contract length on all consumables purchases.

This product is for research use only

What's in the box

The Flongle Starter Pack includes:

- 1 Flongle Adapter
- 12 Flongle flow cells (Basic Starter pack) or 48 Flongle flow cells (Advanced Starter pack)

Product cross-compatibility

The Flongle can be used together with:

Flow cells

- FLO-FLG114
- FLO-FLG001

Devices

- MinION Mk1B
- MinION Mk1C
- GridION Mk1

Kits

- Flongle Sequencing Expansion (EXP-FSE001)
- Flongle Sequencing Expansion (EXP-FSE002)
- Ligation Sequencing Kit V14 (SQK-LSK114)
- Ligation Sequencing Kit (SQK-LSK110)
- Ligation Sequencing Kit (SQK-LSK109)
- Rapid Sequencing Kit V14 (SQK-RAD114)
- Rapid Sequencing Kit (SQK-RAD004)
- Rapid Barcoding Kit 24 V14 (SQK-RBK114.24)
- Rapid Barcoding Kit 96 V14 (SQK-RBK114.96)
- Rapid Barcoding Kit (SQK-RBK004)
- Native Barcoding Expansion 1-12 (EXP-NBD104)
- Native Barcoding Expansion 13-24 (EXP-NBD114)

Change log

Date	Version	Changes made
Apr 2023	V6	Updated theoretical max output to from 1.8 to 2.8 Gb

Date	Version	Changes made
Jan 2023	V5	Flow cell and kit compatibilities have been updated
Dec 2021	V4	"What's in the box" has an updated number of flow cells in the Starter Packs: "12 Flongle flow cells (Basic Starter pack) or 48 Flongle flow cells (Advanced Starter pack)"
Nov 2020	V3	Update to flow cell warranty pore count from 60 pores to 50 pores
Mar 2020	V2	Flongle Flow Cell shelf life increased from two weeks to four weeks