Device part number

ADP-FLGQ01

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 1.8 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

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

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 included 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
- 48 Flongle flow cells

Product cross-compatibility

The Flongle can be used together with:

Flow cells
- FLO-FLG001

Devices
- MinION Mk 1B
- MinION Mk 1C
- GridION Mk1

Kits
- Ligation Sequencing Kit (SQK-LSK110)
- Ligation Sequencing Kit (SQK-LSK109)
- Rapid Sequencing Kit (SQK-RAD004)
- Rapid Barcoding Kit (SQK-RBK004)
- Native Barcoding Expansion 1-12 (EXP-NBD104)
- Native Barcoding Expansion 13-24 (EXP-NBD114)

Change log

<table>
<thead>
<tr>
<th>Date</th>
<th>Version</th>
<th>Changes made</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nov 2020</td>
<td>V3</td>
<td>Update to flow cell warranty pore count from 60 pores to 50 pores</td>
</tr>
<tr>
<td>Mar 2020</td>
<td>V2</td>
<td>Flongle Flow Cell shelf life increased from two weeks to four weeks</td>
</tr>
</tbody>
</table>