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Starting a MinION sequencing run using MinKNOW



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DOI

<https://dx.doi.org/10.17504/protocols.io.bfwqjpdw>

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Coronavirus Method De...



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Protocol status: In development

We are still developing and optimizing this protocol

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Keywords: minion, sequencing run, sequencing

- 1 If required plug the MinION into the computer and wait for the MinION and flowcell to be detected.
- 2 Choose flow cell 'FLO-MIN106' from the drop-down menu.
- 3 Then select the flowcell so a tick appears.
- 4 Click the 'New Experiment' button in the bottom left of the screen.
- 5 On the New experiment popup screen, select the running parameters for your experiment from the individual tabs:

Experiment: Name the run in the experiment field, leave the sample field blank.

Kit: Selection: Select RBK004

Run Options: Set the run length to 6 hours (you can stop the run once sufficient data has been collected as determined using RAMPART).

Basecalling: Select 'fast basecalling'.

Output: The number of files that MinKNOW will write to a single folder. By default this is set to 4000 but can be reduced to make RAMPART update more frequently.

Click 'Start run'.

- 6 Monitor the progress of the run using the MinKNOW interface.