Starting a MinION sequencing run using MinKNOW

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1 *Works for me*   dx.doi.org/10.17504/protocols.io.7q6hmze

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1   If required plug the MinION into the computer and wait for the MinION and flowcell to ben 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 LSK109 as there is no option for native barcoding (NBD104).

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: Leave basecalling turned but 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.