

SARS-CoV-2 sequencing workflow

Alt-text Figure 13 - SARS-CoV-2 next-generation sequencing workflow

Illustrative schematics of SARS-CoV-2 sequencing workflow. 1) Specimens collected: clinical samples and isolates. 2) Viral RNA extraction using commercial kit (~ 45 min). 3) cDNA synthesis and multiplex PCR using commercial kits (5-6h). 4) Library preparation: MinION (ONT) (~ 3h) or iSeq100 (Illumina) (~ 3h). 5) Sequencing: MinION (~ 4h) or iSeq100 (~ 17h). 6) Data analysis: specific bioinformatics pipelines (~ 1h)