

SARS-CoV-2 CORONAVIRUS NGS LIBRARY PREP KIT



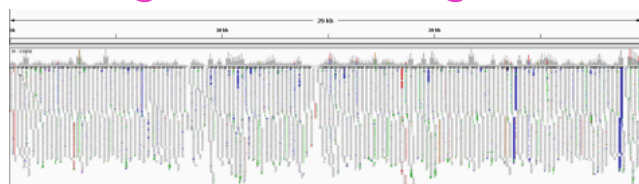
The simplest protocol

YouSeq's mission is to make Next Generation Sequencing (NGS) accessible and easy to everyone. The 2019 SARS-CoV-2 outbreak means that the World needs NGS more than ever. You will notice the language YouSeq speaks is easy to understand and our protocols are easy to follow. We believe this is the best way to ensure as much of this critical research is carried out as possible.

Remarkable sensitivity

Amplicon (multiplex PCR) based library prep delivers the highest levels of sensitivity. This means you can achieve sequencer-ready libraries from as little as 100 copies of the viral genome (total extracted swab RNA) in 5.5 hours.

>99% genome coverage



Coverage schematic from library created from 6000 copies of viral genome

>90% uniformity



90% uniformity 0.2x Mean coverage. Library created from 6000 copies of viral genome

Complete kit

- Reagents for reverse transcription of viral RNA
- Primers for multiplex amplification of entire viral genome
- High fidelity master mix for proof-read amplification
- Index/adapters for 96 samples
- Beads and reagents for Library clean up

Free, automated data analysis

Analyzing data is the most daunting part of any NGS project. That's why YouSeq has built a fully automated tool to analyze the sequencing data from our kit. Simply upload your sequencing output files to our cloud, click one button and results are delivered to you in around 2 minutes ; free of charge.

Optimised for Illumina

Instrument	Samples per run*
iSeq™ 100	176
MiniSeq™ (mid-output)	332
MiniSeq™ (high-output)	993
MiSeq® (v2 chemistry Nano)	45
MiSeq® (v2 chemistry Micro)	176
MiSeq® (v2 chemistry)	594
NextSeq™ 550 (mid-output)	5154

* Approximate samples per run calculation assuming read depth of 75x



Ordering info

Catalogue no. YS-NGS-nCOV19-IL-96
96 sample SARS-CoV-2 NGS Library Prep Kit