Level up your surveillance and research with Illumina® Microbial Amplicon Prep

Fast and simple library prep for expanded surveillance and microbial research capabilities

Greater flexibility, more possibilities

Illumina Microbial Amplicon Prep (IMAP) offers direct-from-sample, highly multiplexed, PCR-based library preparation for microbial targets. Based on the robust Illumina COVIDSeq™ Assay workflow, it covers everything from input of genetic material to sequencing and data analysis for the detection and characterization of various microbial species.

Highlights of IMAP



Versatile solution
Use with lab-designed, published, or commercially available primer sets



Flexible inputs
Start with extracted RNA or DNA from a variety of sample types[1]



Multiple applications
Employ for infectious disease surveillance and microbial research applications

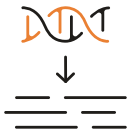
Streamlined workflow



Sample extraction/QC*

Supports DNA and RNA targets

*Reagents for sample extraction and QC not included in the IMAP kit



Library preparation



Sequencing

MiSeq™ i100 Series
NextSeq™ 1000/2000

Also compatible with:
iSeq™ 100, MiniSeq™, MiSeq, NextSeq 550



Analysis

DRAGEN™ Microbial Amplicon App

illumina®

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Expand your microbial research capabilities

Get fast, accurate results[1] with more confidence and less complexity. Expand next-generation sequencing capabilities in your lab with a simple and flexible approach using Illumina Microbial Amplicon Prep.

Advantages of IMAP

Complete sequencing solution

Library preparation kit, reagents for **48**[1] samples, and data analysis

Flexible sample input

Works with a wide variety of sample types, from nasal swabs to wastewater[1]

Streamlined workflow

Less than **9**[1] hours from extracted RNA to sequencing-ready libraries[1]

Choose from various available IMAP protocols

Accelerate research by leveraging the protocols tested by Illumina or leading researchers in real-world contexts.

Illumina-tested protocols

- Chikungunya virus[1]
- Dengue virus[1]
- Mpox virus[1]
- Human respiratory syncytial virus (RSV)[1]
- Zika virus[1]

Customer-demonstrated protocols*

Viruses:
SARS-CoV-2, Mpox, dengue 1-4, RSV, HIV-1, hepatitis A, chikungunya, Powassan, Oropouche, human bocavirus, lumpy skin disease, avian influenza A, human adenovirus, human coronavirus HKU1, rabies, etc.

Bacteria:
Enterobacter species, *M. tuberculosis*, *S. pneumoniae*, *Leptospira*

Fungi:
Cryptococcus neoformans, *Cryptococcus gattii*, *Histoplasma capsulatum*, etc.

*Protocols provided for informational purposes only. This does not imply the protocols are validated or supported by Illumina. Non-exhaustive list, consult the IMAP landing page for full list of protocols.

We are always available for questions, insights, and conversation.
Visit illumina.com/areas-of-interest/microbiology/infectious-diseases.html

Learn more

Illumina Microbial Amplicon Prep

1. Data on file. Data sheet

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