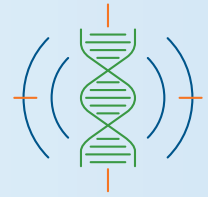# myBaits® Expert Respiratory Virus Kit

Efficient, effective genome sequencing of respiratory viral pathogens

Flexible formats for maximum efficiency

- 21 distinct modules for common human respiratory viruses - *choose only what you need!*
- Use the probe modules individually or combined
- Probes are designed from hundreds of reference genomes to maximize potential to retrieve novel strains and variants

Available panels

Adenovirus (15*)	MERS (1)
Bocavirus (3)	Metapneumovirus (6)
Chickenpox (1)	Mumps (1)
Coronavirus Human (4)	Orthopneumovirus / RSV (7)
Coronavirus Non-Human (60)	Parainfluenza (4)
EBV (2)	Parechovirus (6)
Enterovirus (8)	Rhinovirus (38)
Influenza A (7)	Roseola (4)
Influenza B (1)	SARS (1)
Influenza C (1)	SARS-CoV-2 (6)
Measles (1)	*+ Complete version with all modules pre-mixed*

* Shown in parentheses are number of full reference genomes included in design for each module

Maximize your respiratory viral research

✓ Confirm existing variants, including co-infections

✓ Discover novel viral genome variation

✓ Characterize tens to thousands of samples on a single sequencing run

Comprehensive genome coverage

The myBaits Expert Respiratory Virus panels are effective both individually as well as in the combined set of probes that includes all modules. Using NGS libraries built from low copy combinations of viral genomic material in backgrounds of human RNA or DNA, we observe high enrichment rates and comprehensive genome coverage closely matching the non-enriched source.
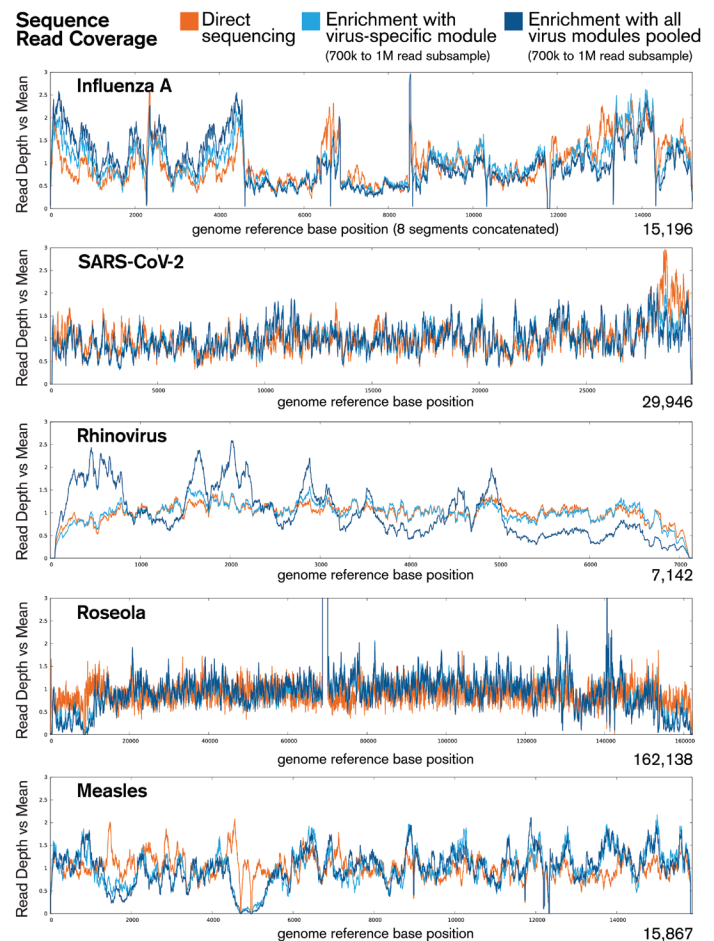

Figure 1. Five mock samples with five different viruses (Influenza A, SARS-CoV-2, Rhinovirus, Roseola, and Measles) are enriched with their individual target modules as well as with the combined set of 21 modules, and compared with direct non-enriched shotgun sequencing.

Web: www.arborbiosci.com
Email: info@arbor.daicel.com
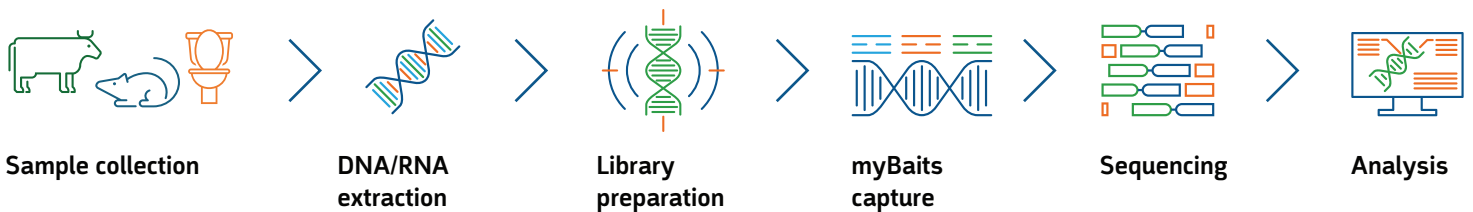**Phone:** 1-734-998-0751
Twitter: @ArborBio

Applications

- Pathogen monitoring and surveillance
- Novel variant discovery
- Strain identification
- Virology, evolutionary biology, phylogenetics, epidemiology, public health research
- Co-infections
- Environmental DNA/RNA
- Wastewater analysis
- Cell or tissue cultures
- FFPE or archival samples

Ordering information

Catalog #	Description
322308.v5	myBaits Expert Respiratory Virus, Precombined all-modules, 8 Reactions
322316.v5	myBaits Expert Respiratory Virus, Precombined all-modules, 16 Reactions
322348.v5	myBaits Expert Respiratory Virus, Precombined all-modules, 48 Reactions
322396.v5	myBaits Expert Respiratory Virus, Precombined all-modules, 96 Reactions
320108.v5	myBaits Expert Respiratory Virus, 1 individual module, 8 Reactions
320116.v5	myBaits Expert Respiratory Virus, up to 2 modules (8 rxn per tube), 16 Reactions
320148.v5	myBaits Expert Respiratory Virus, up to 6 modules (8 rxn per tube), 48 Reactions
320172.v5	myBaits Expert Respiratory Virus, up to 9 modules (8 rxn per tube), 72 Reactions
320196.v5	myBaits Expert Respiratory Virus, up to 12 modules (8 rxn per tube), 96 Reactions

Why use myBaits targeted sequencing?

The flexible nature of myBaits can capture novel variants, including point mutations, small or large indels, or other genomic changes. Our easy-to-use kits are compatible with any library prep kit or any sequencing option.

Sample collection > **DNA/RNA extraction** > **Library preparation** > **myBaits capture** > **Sequencing** > **Analysis**

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