illumina®
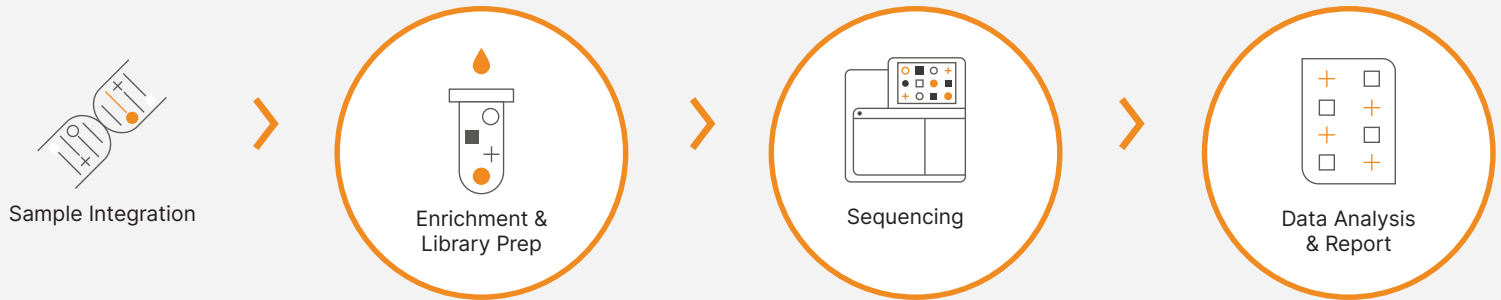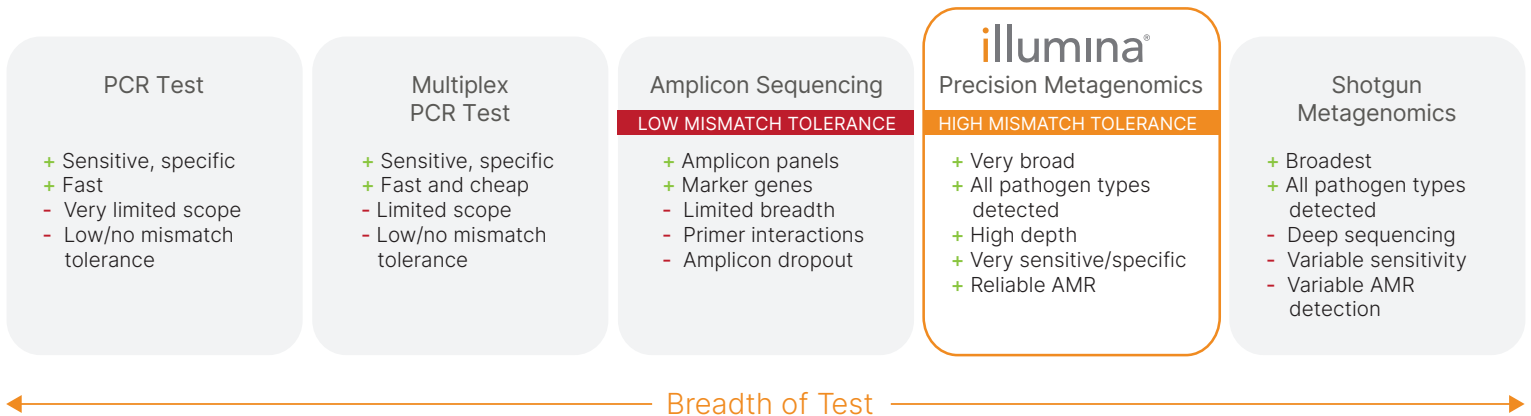
Precision Metagenomics with the Explify™ Platform

Genomic-level microorganism detection powering workflows, analysis, quality control

Sample Integration → Enrichment & Library Prep → Sequencing → Data Analysis & Report

Comprehensive Broad RNA and DNA pathogen and associated AMR marker detection

Accurate Automated data analysis with high analytic sensitivity comparable to qPCR tests

Precise Targeted enrichment of our proprietary probe sets provides unparalleled performance and detection

Efficient Rapid detection of *various* pathogen types and AMR markers

Streamlined Single library prep and faster turnaround time than culture

Today's Molecular Testing Landscape[1]

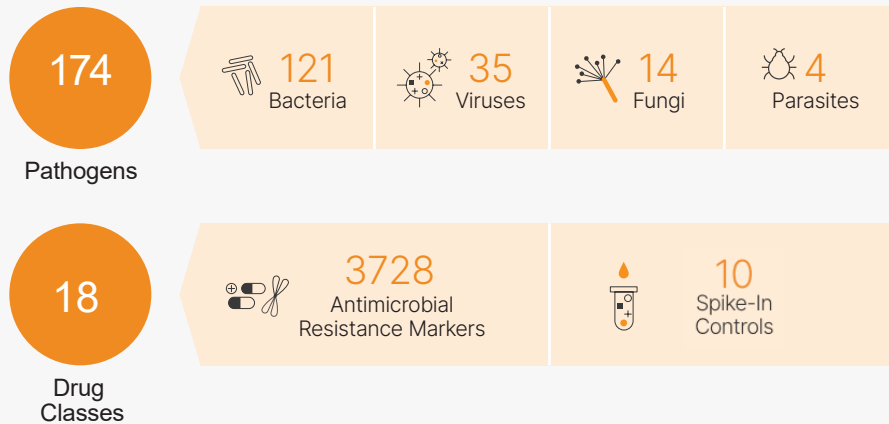| PCR Test	Multiplex PCR Test	Amplicon Sequencing LOW MISMATCH TOLERANCE	illumina® Precision Metagenomics HIGH MISMATCH TOLERANCE	Shotgun Metagenomics
+ Sensitive, specific + Fast - Very limited scope - Low/no mismatch tolerance	+ Sensitive, specific + Fast and cheap - Limited scope - Low/no mismatch tolerance	+ Amplicon panels + Marker genes - Limited breadth - Primer interactions - Amplicon dropout	+ Very broad + All pathogen types detected + High depth + Very sensitive/specific + Reliable AMR	+ Broadest + All pathogen types detected - Deep sequencing - Variable sensitivity - Variable AMR detection

← Breadth of Test →

Complete Pathogen and Antimicrobial Resistance Marker Profiles – Powered by Explify™

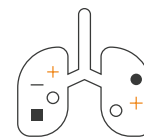## Urinary Pathogen ID/AMR Panel (UPIP)

Comprehensive and simultaneous detection and quantification of >170 genitourinary pathogens and >3,700 AMR markers

- Detects pathogens causing complicated and recurrent UTIs

174 Pathogens

- 121 Bacteria
- 35 Viruses
- 14 Fungi
- 4 Parasites

18 Drug Classes

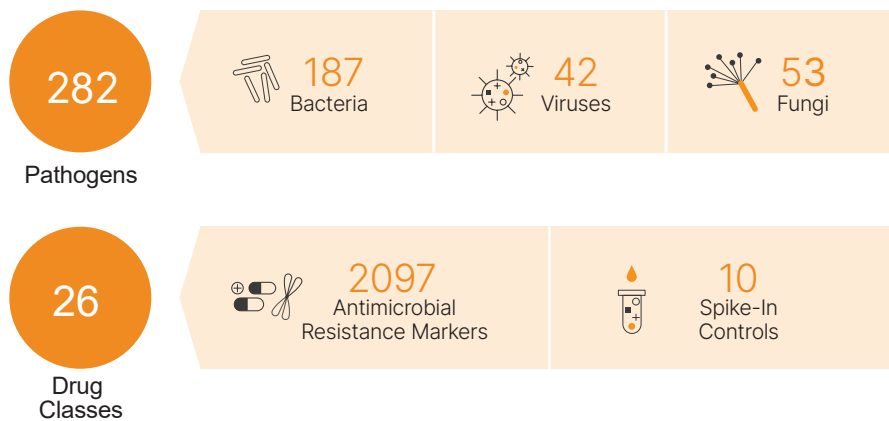- 3728 Antimicrobial Resistance Markers
- 10 Spike-In Controls

Respiratory Pathogen ID/AMR Panel (RPIP)

Comprehensive and simultaneous detection and quantification of >280 pathogens and >2,000 AMR markers

- Whole genome sequencing of SARS-CoV-2 and Influenza A & B strain detection
- Accurate detection of known and emerging respiratory pathogens
- Easily deployable in your laboratory

282 Pathogens

- 187 Bacteria
- 42 Viruses
- 53 Fungi

26 Drug Classes

- 2097 Antimicrobial Resistance Markers
- 10 Spike-In Controls

illumına®

Product of Illumina. For Research Use Only. Not for use in diagnostic procedures.

M-GL-01010