

PRODUCT SPOTLIGHT

GenomeTrakr Validation Strain Set (GTVSS)

The GTVSS includes 32 well-characterized bacterial strains used across the GenomeTrakr Network as controls for validating and performance-testing whole-genome sequencing (WGS) workflows. These strains provide a comprehensive, cross-sectional toolset for benchmarking WGS-based surveillance, outbreak detection, and routine genomic characterization workflows in research, public-health, and food-safety.

- Confirm accurate workflow performance across platforms, instruments, and library-prep kits
- Benchmark SNP recovery, plasmid and toxin detection, AMR analysis, and GC-content performance
- Compare and evaluate sequencing pipelines and software tools
- Strengthen reliability in surveillance, outbreak detection, and routine genomic characterization
- Rely on diverse, stable reference strains for consistent, repeatable results

Explore the set: www.atcc.org/products/MP-44

Save 20% automatically when you order the strains as a panel—no promo code required


Choose the GenomeTrakr Validation Strain Set (ATCC® MP-44™) to take advantage of bulk-discount pricing and the convenience of a curated, ready-assembled panel designed to streamline your WGS quality control needs. This panel is provided as a collection of 32 vials (one vial per strain).


Table 1: GTVSS individual strains (Provided as a 6-pack)

ATCC® Number	Species
BAA-3401-NGS-PACK™	<i>Salmonella enterica</i> subsp. <i>enterica</i> Serovar Bareilly
BAA-3402-NGS-PACK™	<i>Salmonella enterica</i> subsp. <i>enterica</i> Serovar Heidelberg
BAA-3403-NGS-PACK™	<i>Salmonella enterica</i> subsp. <i>enterica</i> Serovar Bareilly
BAA-3404-NGS-PACK™	<i>Salmonella enterica</i> subsp. <i>enterica</i> Serovar Bareilly
BAA-3405-NGS-PACK™	<i>Salmonella enterica</i> subsp. <i>enterica</i> Serovar Bareilly
BAA-3406-NGS-PACK™	<i>Listeria monocytogenes</i>
BAA-3407-NGS-PACK™	<i>Staphylococcus aureus</i>
BAA-3408-NGS-PACK™	<i>Staphylococcus aureus</i>
BAA-3409-NGS-PACK™	<i>Listeria monocytogenes</i>
BAA-3410-NGS-PACK™	<i>Salmonella enterica</i> subsp. <i>enterica</i> Serovar Derby
BAA-3411-NGS-PACK™	<i>Listeria monocytogenes</i>

ATCC® Number	Species
BAA-3412-NGS-PACK™	<i>Listeria monocytogenes</i>
BAA-3413-NGS-PACK™	<i>Listeria monocytogenes</i>
BAA-3414-NGS-PACK™	<i>Listeria monocytogenes</i>
BAA-3415-NGS-PACK™	<i>Shigella dysenteriae</i>
BAA-3416-NGS-PACK™	<i>Shigella sonnei</i>
BAA-3417-NGS-PACK™	<i>Campylobacter coli</i>
BAA-3418-NGS-PACK™	<i>Campylobacter jejuni</i>
BAA-3419-NGS-PACK™	<i>Listeria innocua</i>
BAA-3420-NGS-PACK™	<i>Escherichia coli</i>
BAA-3421-NGS-PACK™	<i>Cronobacter sakazakii</i>
BAA-3422-NGS-PACK™	<i>Bacillus cereus</i>
BAA-3423-NGS-PACK™	<i>Escherichia coli</i>
BAA-3424-NGS-PACK™	<i>Pseudomonas aeruginosa</i>
BAA-3425-NGS-PACK™	<i>Pseudomonas paracarnis</i>
BAA-3426-NGS-PACK™	<i>Klebsiella variicola</i>
BAA-3427-NGS-PACK™	<i>Klebsiella pneumoniae</i>
BAA-3428-NGS-PACK™	<i>Citrobacter braakii</i>
BAA-3429-NGS-PACK™	<i>Enterobacter cancerogenus</i>
BAA-3430-NGS-PACK™	<i>Salmonella enterica</i> subsp. <i>diarizonae</i>
BAA-3431-NGS-PACK™	<i>Vibrio parahaemolyticus</i>
BAA-3432-NGS-PACK™	<i>Vibrio parahaemolyticus</i>

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