



GenomeTrakr Validation Strain Set (GTVSS)

MP-44™

Description

The GenomeTrakr Validation Strain Set (GTVSS) comprises 32 bacterial strains used by the GenomeTrakr Network as controls to support validation and performance testing of whole-genome sequencing (WGS) workflows. The set represents diverse foodborne and environmental pathogens and enables benchmarking of SNP recovery, plasmid and toxin detection, AMR analysis, GC-content performance, and organism-diversity workflows. The GTVSS is suitable for laboratories seeking reliable reference materials for the evaluation and comparison of sequencing pipelines, instrument platforms, library-prep kits, and bioinformatics workflows. Together, 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.

Components:

Bacillus paranthracis (ATCC BAA-3422)
Campylobacter coli (ATCC BAA-3417)
Campylobacter jejuni (ATCC BAA-3418)
Citrobacter braaki (ATCC BAA-3428)
Cronobacter sakazakii (ATCC BAA-3421)
Enterobacter cancerogenus (ATCC BAA-3429)
Escherichia coli (ATCC BAA-3420, BAA-3423)
Klebsiella pneumoniae (ATCC BAA-3427)
Klebsiella vericola (ATCC BAA-3426)
Listeria innocua (ATCC BAA-3419)
Listeria monocytogenes (ATCC BAA-3406, BAA-3409, BAA-3411, BAA-3412, BAA-3413, BAA-3414)
Pseudomonas aeruginosa (ATCC BAA-3424)
Pseudomonas paracarnis (ATCC BAA-3425)
Salmonella enterica subsp. *diarizonae* (ATCC BAA-3430)
Salmonella enterica subsp. *enterica* (ATCC BAA-3401, BAA-3402, BAA-3403, BAA-3404,

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BAA-3405, BAA-3410)

Shigella dysenteriae (ATCC BAA-3415)

Shigella sonnei (ATCC BAA-3416)

Staphylococcus aureus (ATCC BAA-3407, BAA-3408)

Vibrio parahaemolyticus (ATCC BAA-3431, BAA-3432)

Shipping information: 32 vials. Contents may be shipped separately.

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 2

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submerged in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid

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nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: GenomeTrakr Validation Strain Set (GTVSS) (ATCC MP-44)

References

References and other information relating to this material are available at www.atcc.org.

Warranty

The product is provided 'AS IS' and the viability of ATCC® products is warranted for 30 days from the date of shipment, provided that the customer has stored and handled the product according to the information included on the product information sheet, website, and Certificate of Analysis. For living cultures, ATCC lists the media formulation and reagents that have been found to be effective for the product.

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