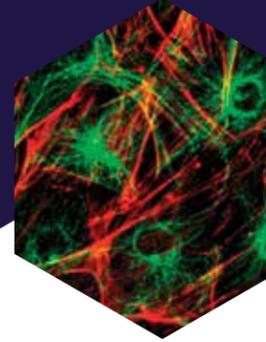


ATCC®

Our knowledge, expertise, and meticulous methodologies support the custom biological needs of our customers worldwide



We can produce, extract, and purify related biologicals such as quantitated nucleic acids, and provide alternative formats such as cell pellets; formalin-fixed, paraffin-embedded (FFPE) samples; and inactivated microbial strains for use as process controls in molecular assays

www.atcc.org/services

Over **90** years of experience

More than **3,800** primary, immortalized, and continuous cell lines, and **85,000** microbial strains

CUSTOM PRIMARY CELL DERIVATION

- Produced in large lots (for ready-to-use or ready-to-store cells)
- Characterization with full QC testing
- Reagents are matched/optimized to work with each primary cell type

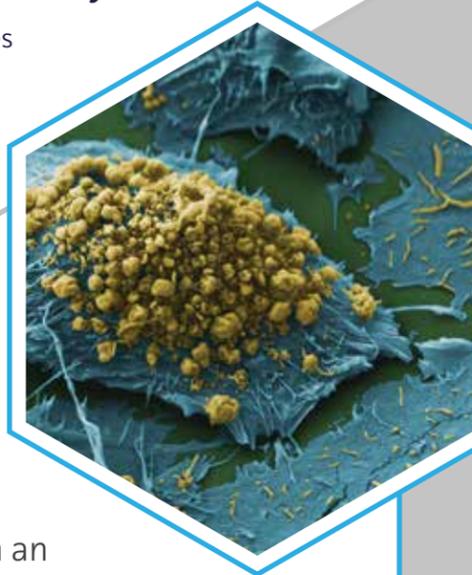
www.atcc.org/services



CUSTOM CELL IMMORTALIZATION SOLUTIONS

- Produce cell lines with an extended lifespan
- Can be tested for extended proliferative capacity or selected phenotypic markers

www.atcc.org/services



CELL AUTHENTICATION SOLUTIONS

- Viability, sterility, and mycoplasma testing
- STR profiling of human cell lines to confirm identity
- Animal species identification
- Phenotyping by immunocytochemistry or flow cytometry and molecular assays
- Viral testing

www.atcc.org/STR

NUCLEIC ACIDS

- Small- and large-scale extraction
- Genomic nucleic acids extracted from ATCC cell lines or microbial strains
- Custom production of synthetic microbial nucleic acids

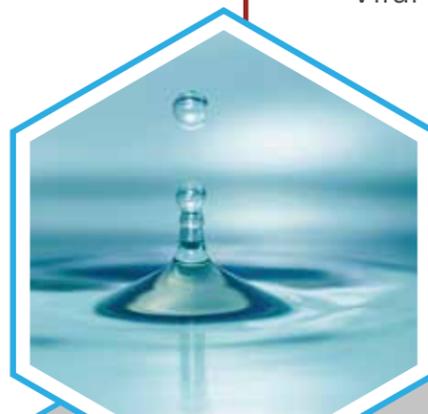
www.atcc.org/nucleicacids



CUSTOM MICROBIAL QUANTITATION SOLUTIONS

- Titering, qPCR, and Droplet Digital™ PCR
- Order separately or as part of QC testing
- Viral quantification
- Produce and titer one or more vials
- Ready-to-use frozen format or the format of your choice

www.atcc.org/services





STORAGE AND DISTRIBUTION

- Preservation, storage, and global distribution
- Customer support for master cell banks and working cell banks
- Short- and long-term options
- Secure, controlled, monitored environment
- Inventory management system assures biomaterial traceability
- Enhanced features for cGMP-compliant storage

www.atcc.org/biorepository

CUSTOM CELL BANKING/ CELL LINE MANUFACTURING

- Flexible manufacture of your proprietary cell lines (or ATCC cell lines)
- Scalable production from several vials to thousands of vials
- Automated vialing, labeling, storage, and distribution
- ISO/IEC 17025:2005-accredited process for QC tests

www.atcc.org/cellbanking



CUSTOM PRODUCTION OF BIOLOGICAL CONTROLS AND DERIVATIVES

- Produced from cell cultures and microbial strains
- Verify, validate, and routinely monitor the performance of workflows/assays
- Extract, produce, and purify related biologicals
- Provide alternative formats (*i.e.*, cell pellets, FFPE samples, and inactivated microbial strains)

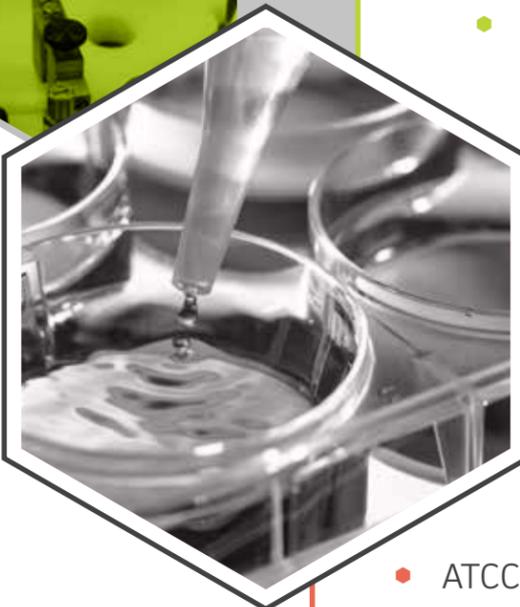
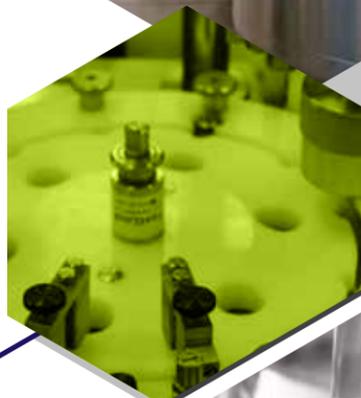
www.atcc.org/controls



CUSTOM MICROBIAL MANUFACTURING

- Flexible manufacture of your strains
- Standardized culture conditions, scalability, and QC testing
- Standardized preservation methods, packaging, storage, and distribution
- QC analysis of your microbial strains
- Automated vialing, labeling, storage, and distribution
- ISO/IEC 17025:2005-accredited processes for QC tests

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ASSAY DEVELOPMENT & VALIDATION

- Defined assay requirements and product specifications
- Complete risk assessment
- Deliver test product in small batches for assay development and stability studies
- Set product-release criteria
- Annual need forecasted, and production schedule established
- Design and produce external controls and derivatives in numerous formats
- Produce, extract, and purify related biologicals
- Alternative formats are available as process controls

www.atcc.org/assaydevelopment

DIVERSE CULTURING METHODS

- ATCC cultures are meticulously characterized, preserved, and maintained
- ATCC Genuine Cultures[®] ensure high-quality biomaterials with low passage number
- Expert capabilities for the preparation, QC, and preservation of microbial cultures
- Direct and indirect culture methods (bundled service) for mycoplasma testing

www.atcc.org/services

Partner with the global biological resource leader today! Visit us at www.atcc.org/CustomSolutions