Our knowledge, expertise, and meticulous methodologies support the control needs of our customers worldwide.

We produce, extract, and purify related biologics 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 controls in molecular assays.

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

INACTIVATED MICROBIAL STRAINS
- Custom inactivation of bacterial, fungal, viral, & protist strains
- Fully intact, whole genome, non-viable
- Inactivation is tested and a COA is provided
- Mimics a clinical specimen; use in the same protocols as clinical samples
- Qualitative or quantitative format
- Both pre- & post-inactivation quantitation available by Droplet Digital™ PCR (ddPCR™)

MICROBIAL QUANTITATION SOLUTIONS
- Titering, qPCR, & ddPCR™
- TCID₅₀, CEID₅₀, PFU, CFU/mL, IFU, cells/mL, genome copy numbers
- Viral quantification
- Bacterial & fungal quantification
- Cell density of protist cells (cells/mL)
- Flexible solutions & formats

NUCLEIC ACIDS
- Genomic nucleic acids extracted from ATCC cell lines & microbial strains
- Custom production of synthetic & native microbial nucleic acids
- Small- & large-scale extractions
- Qualitative & quantitative formats

Over 90 years of experience.
BIOLOGICAL CONTROLS FROM CELL CULTURES
- Used to verify and routinely monitor the performance of workflows & assays
- Over 3,800 ATCC catalog cell cultures
- Nucleic acids: DNA and RNA
- Alternative formats:
  - Cell pellets
  - FFPE blocks
  - Scrolls
  - Slides

GLOBAL STORAGE & DISTRIBUTION
- Preservation, storage, & global distribution of control material
- Short- and long-term options
- Secure, controlled, monitored environment
- Inventory management system assures biomaterial traceability
- Enhanced features for cGMP-compliant storage

NGS & MICROBIOME CONTROLS
- Mock microbial communities that mimic mixed metagenomic samples
- For optimization of metagenomic workflows, assay development, & daily run controls for molecular assays
- Provides reliable, comparative data while improving assay consistency
- Prepared from fully sequenced, characterized ATCC Genuine Cultures®
- Strain selection based on relevant phenotypic & genotypic attributes
  - Gram stain
  - GC content
  - Genome size
  - Spore formation
- Whole cell & genomic material available
- Staggered & even mix material offered
- Custom preparations now available

BIOLOGICAL CONTROLS FROM MICROBIAL STRAINS
- Used to verify and routinely monitor the performance of workflows & assays
- Over 85,000 ATCC catalog microbial strains
- Over 1,000 nucleic acid preparations
- Custom nucleic acids
- Both small- & large-scale production of bacterial DNA, fungal DNA, protist DNA, viral DNA & RNA
- Qualitative & quantitative formats
- Native & synthetic nucleic acids

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