

**Altogen  
Labs**

Provider of Preclinical Research Services (GLP/non-GLP) for Drug Discovery  
Efficacy and Pharm/Tox IND contract research studies (clients worldwide)  
100+ Xenograft Models (validated in-house) and IND-enabling Toxicology studies  
100% IP belongs to client, experienced IACUC-regulated barrier facility

# ***Cell Bank Generation Services***

Contact us: [info@altogenlabs.com](mailto:info@altogenlabs.com) | Read more at [AltogenLabs.com](http://AltogenLabs.com)  
ALTOGEN® 11200 Menchaca Road 203 • Austin • TX • 78748 • USA 512-433-6177

# Cell Banking

- All research is built on uniformity and reproducibility. A well-maintained cell bank is a vital component of this.
- A cell bank ensures that researchers have access to a uniform population of cells with intact integrity.



Cell-banking is crucial to biological research success  
<http://microqa.com>

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# Optimization

- We offer production, storage, and characterization services that results in a straightforward process with optimized results and timeline. This allows for fast turnaround.
- Cell banks with a storage capability of up to 1,000 are available. They are stored at optimal conditions in liquid nitrogen dewars.

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# Cryopreservation

- Cryopreservation at ultra-low temperatures is the generally accepted method for indefinite cell longevity.
- However, temperature variability can be observed in preserved cell quality.



Our consistent approach  
produces consistent results  
<http://microqa.com>

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# ***Consistent Cell Supply***

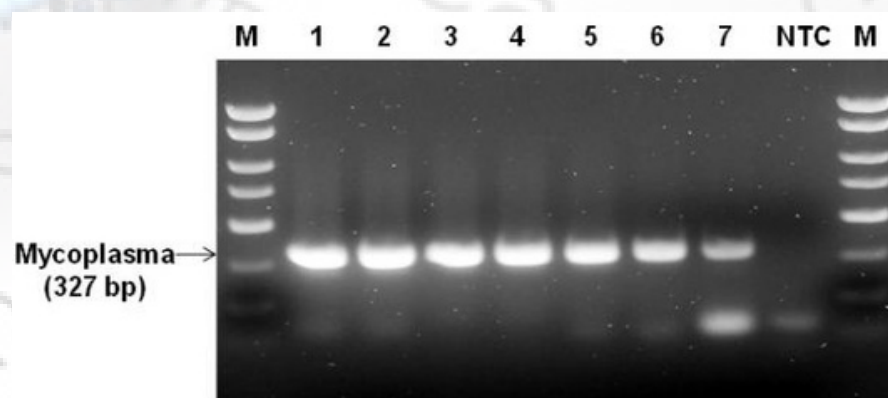
- It may be difficult to maintain a single cell line because of microbial contamination and genetic drift.
- Altogen Labs maintains industry guidelines and complies to GLP standards to ensure our clients have access to an inexhaustible supply of phenotypically consistent cells that are low in passage number and free of microbial contamination

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# Sample Preservation and Sterility

Biosafety testing is performed on cell lines at multiple passages. Additionally, cell genotype/phenotype drift must be avoided.



Agarose gel confirming the presence of mycoplasma  
[www.biosyn.com](http://www.biosyn.com)

# Testing

To ensure genotype/phenotype preservation and sample sterility, we perform testing against:

- Viral Contamination
- Fungi
- Mycoplasma
- DNA fingerprinting & insert sequence verification

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# Industry Standard Cell Banking

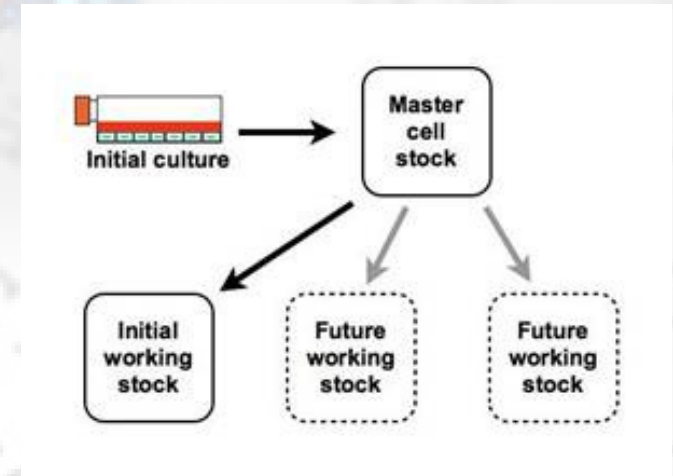
Altogen Labs follows an industry-standard 2-tiered cell-banking plan:

## Master Cell Bank

- It begins with cells modified through recombinant DNA methods (such as transfection & transformation), clones whose target phenotype has been established that are cryopreserved to eliminate contamination, degradation, and genetic variation. Passages are kept to a minimum.

## Working Cell Bank

- A Working Cell Bank is produced by expansion of a single sample from the Master Cell Bank. Working Cell Banks are vital for later stage development and manufacturing.



A 2-tiered system of cell banking ensures cell culture integrity  
cellbanking.net

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# Facilities

- Qualified Controlled Rate Freezers
- Quarantine laboratory
- Grade A/B cell banking
- CO2 incubators
- Automated cell counting

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# Quality Control

Altogen Labs offers long-term storage for cells in a secure, controlled, and monitored environment.

- All cell banking work is performed under a certified Class II laminar flow biosafety hood with HEPA filters
- Cells are grown only in pre-calibrated incubators with ultraviolet-irradiated air and water
- Cell banks are divided and stored in separate freezers with round the clock monitoring of liquid nitrogen levels and temperature

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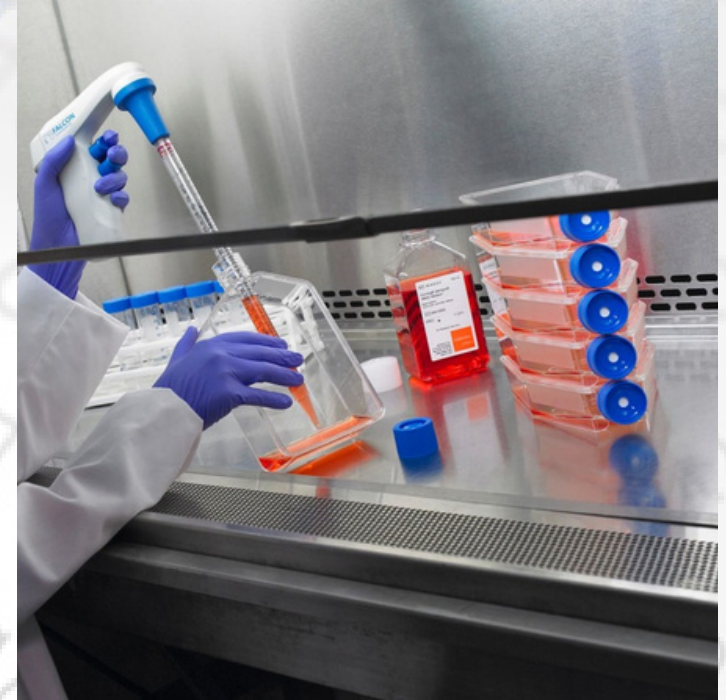
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# ***In-house Cell Banks***

Additionally, we already have Master and Working Cell banks in-house and available for our clients such as:

- Insect cells
- Mammalian cells
- Rodent cells



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# Contact Us

Altogen Labs has the experience, facilities, and track record to be trusted with housing your custom cell bank.

Visit our website for more information!



*Visit [altogenlabs.com](http://altogenlabs.com) for more details and contact us directly for timeline estimates and price estimates!*

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