



Cell Banking and Characterization

Integrated Solutions.
Unmatched Service.
Unparalleled Experience.

Biologics Testing Solutions



Safeguard your biological assets for future success

Your biologic can only be as successful as the cells behind them. Take advantage of our full spectrum of CGMP cell banking and characterization services. Our CGMP-compliant processes ensure high-quality production, storage, and characterization of various cell types, including:

- Human: HEK293, HeLa, and any other human cell sample
- Animal: CHO, Vero, Sf9, and any other animal cell sample
- Microbial: *E. coli*, yeasts, and other aerobic and anaerobic microbial cells

Virus seed manufacturing is also available for viruses including dengue, influenza, respiratory syncytial viruses (RSVs), coronavirus, and others.

With our fully integrated CGMP cell bank production, storage, and characterization services, we can support your product's success from R&D all the way through to commercial manufacturing.

Cell banking is the foundation of biologics and therapeutics. Learn how we can support your product's success from R&D through commercial manufacturing. →



Cell Bank Production & Storage

9

CGMP-compliant, ISO 6 cleanroom suites

8-10

weeks cell bank completion to release

20+

years of experience in cell banking and cell line characterization

2,000+

cell and viral banks produced

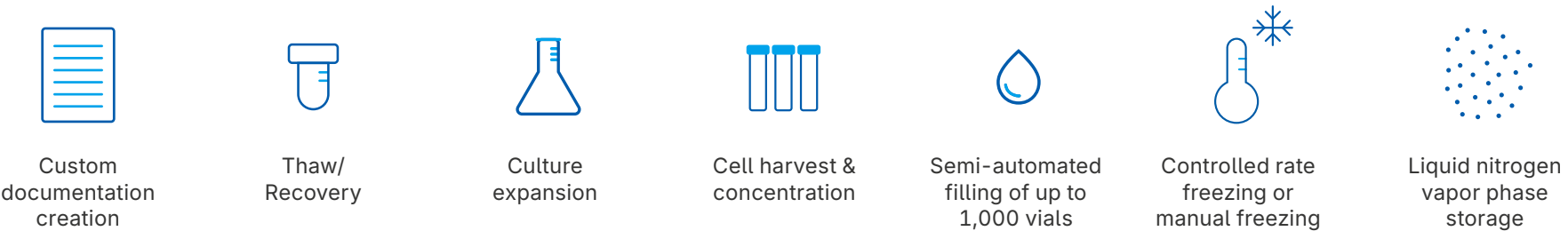
Cell Banking

The partner you choose for your cell banking needs should be GMP-compliant and have the capacity, flexibility, and expertise necessary to meet your cell bank manufacturing and storage needs. With decades of experience handling cell banks of all types, we ensure regulatory compliance while accommodating complexity and tight timelines. You can depend on us to manufacture your master cell banks (MCBs), working cell banks (WCBs), and research cell banks (RCBs). We also perform R&D engineering runs (small-scale simulation) prior to cell bank manufacturing and adhere to the ICH Q5 series (Parts A, B, and D) quality guidelines.

Explore more [→](#)



Cell Banking Process



Cell Line Characterization

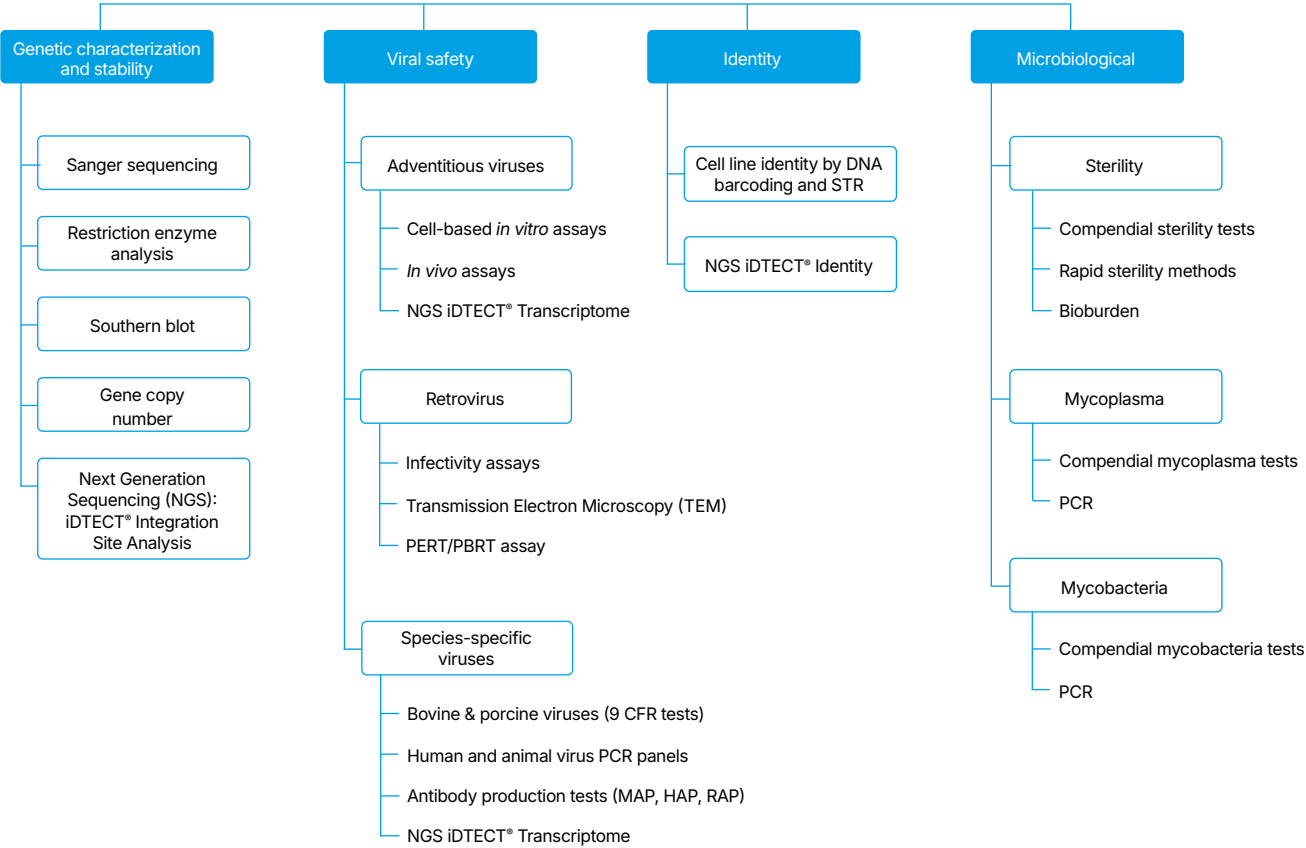
Streamline your biologics' journey with a GMP-compliant cell line characterization partner that helps you develop a regulatory-compliant characterization strategy using validated analytical test methods, either independently or integrated with cell banking services. Enjoy time savings through seamless transitions and efficient operations, backed by regulatory expertise. Our experienced team will assure confidence in the consistency and quality of your cell lines.

We perform cell line characterization for Research Cell Banks (RCBs), Master Cell Banks (MCBs), Working Cell Banks (WCBs), and End-of-Production/LIVCA cells.

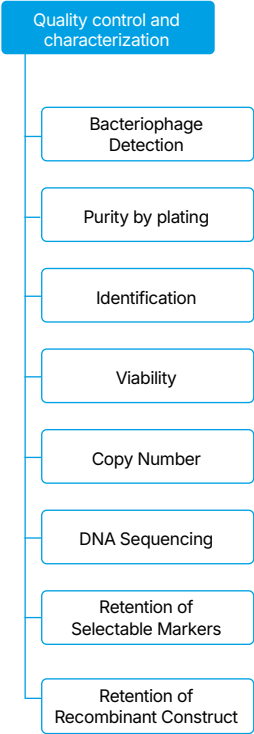
[Explore more →](#)

Cell Line Characterization Tests

Human & Animal Cell Lines



Microbial Cell Lines



Comprehensive Cell Banking & Characterization Solution

- Highly experienced team
- Batch records generated throughout the manufacture, release, and characterization testing
- All cleanroom suites are ISO 6
- Fully characterized microbial banks released in 6-8 weeks after harvest and mammalian banks in 8-10 weeks
- Vials available prior to post-banking testing and release (upon request)
- Support in defining a regulatory-compliant cell line characterization strategy
- Flexible shipment and customs clearance services



Our Facilities

We have the equipment, experts, and flexibility needed to ensure high-quality, efficient cell bank production and cell line characterization, including 9 CGMP, ISO 6 cleanroom suites and long-term storage capabilities. Optimal preservation is ensured by storing cells either at -70°C or in vapor-phase liquid nitrogen, all within a controlled-access area, ensuring the highest standards of security and quality for your valuable biological materials.



Cell Banking Facilities

Pennsylvania, USA

Cell Line Characterization Facilities

Erkrath, Germany
Ballina, Ireland
Pennsylvania, USA

Explore Charles River
Biologics Global Facilities →

Access Sample Testing Data When You Need It

Our innovative Apollo™ cloud-based platform gives you secure, real-time access to your cell sample data, milestones, and documents. With it, you can send in sample submission forms, track samples, and exchange documents all in one place, ensuring accuracy and saving time.

Explore Apollo →



Dedicated Expert Support

Project Managers work closely with clients from start to finish, offering personalized support for testing inquiries and providing expert guidance throughout the entire Apollo user journey.





Comprehensive capabilities for all your cell banking and characterization needs.

Contact us today

To learn more about Cell Banking and Characterization visit criver.com. Contact us for personalized help.

criver.com/contact-us | askcharlesriver@crl.com

© 2026, Charles River Laboratories International, Inc. v2