

## PRODUCED, PROVEN, PROTECTED

Cell and virus bank development,  
characterization, and storage you  
can count on

### Successful cell banks include:

- Maintenance of a single master cell line
- Working cell banks with low passage numbers
- Identity confirmation testing, such as CO1 barcode assay

### Successful virus banks include:

- Consistent and reliable starting material for their clinical and commercial manufacturing processes
- Fully characterized and safety testing complete to support regulatory submissions
- Sufficient quality and quantity to support several years of manufacturing



#### Proven systems

Cell banking since the early 1980s, with testing of over >24k banks

#### Cell bank experience

Mammalian & insect cell lines

#### Full service

Includes cell expansion, testing, and long-term storage

#### Global GMP facilities

Meet worldwide regulations, facilities in the US and Europe

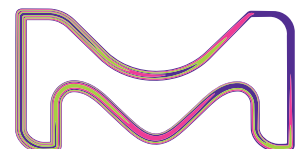
#### Tri-continental storage

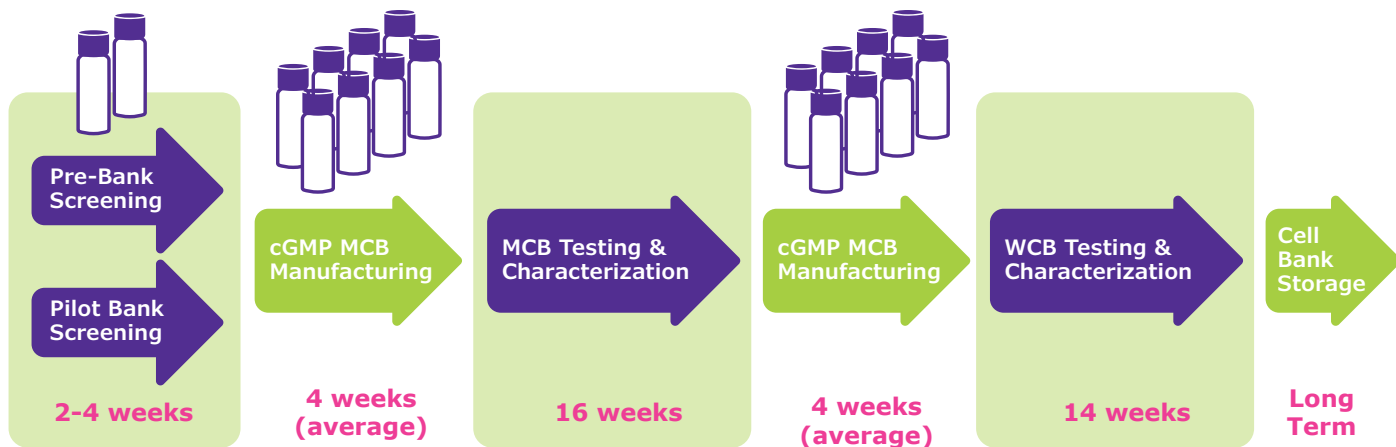
Secure storage of eukaryotic, prokaryotic and viral biological materials



Prepare your master and working banks with us.

Scan the QR code for more information.





**Figure 1.** Timeline for a complete cell banking service. Performing concurrent steps and rapid testing methods can reduce timelines.

## Protecting your banks

### Secure cell storage

Our state-of-the-art, cGMP-compliant, controlled-access biorepository facilities are designed for short- and long-term storage of virus, mammalian, insect, and bacterial cell lines in liquid nitrogen vapor (LN2) or ultra cold (-80°C) freezers. Each bank to be stored is certified free from mycoplasma and tested for sterility prior to storage.

### Split-site storage

In line with the regulations and to reduce risks you can choose to store at one or more of our 3 sites: UK, Singapore, and US. To ensure the ultimate safety of your cell banks we recommend storing them over 2 or more sites. Split site storage also comes in useful for shipping the material – you can ship from the closest facility to reduce time. In addition, our standard practice to further reduce risk is to split your banks between two or more vessels in our facility.

### Related Services

- Cell Line Characterization
- Product Characterization
- Genetic Stability
- Viral Clearance Services
- Lot Release Testing

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