The following are examples of biologics that require testing prior to use in in vivo rodent studies:

- Murine-derived (mouse or rat) cell lines, transplantable tumors, hybridomas, non-purified antibody preparations, tissues, serum, blood components, embryonic stem cells (ES or ESC) or body fluids
- Non-murine (including human) cell lines, transplantable tumors, hybridomas, non-purified antibody preparations, tissues, serum, embryonic stem cells (ES or ESC) or body fluids that may have been passed through or exposed to rodents
• Other biological materials for which the vendor cannot supply comprehensive negative screening results for rodent pathogens and cannot attest that such materials didn’t originate from a rodent and never were passaged through rodents.

The following are examples of biologics that may not require testing prior to use in in vivo rodent studies:

• Cell lines, transplantable tumors, hybridomas, antibody preparations, tissues, serum, embryonic stem cells (ES or ESC) or body fluids that were **harvested from animals already maintained** in UT colonies at a time where there were no identified outbreaks. Such materials can be administered into animals at the same (or lower) health status. For example, materials obtained from animals in barrier or SPF zones could be used in conventional mice, but conventionally-sourced materials cannot be used in the barrier or SPF zones without testing.

• Isolated human tissues coming straight out of a patient or harvested and frozen with no rodent passage

• Human cell lines or other non-rodent tumors, cell lines, or serum components for which **complete** documentation is available that they have never been passaged through or established in rodents, grown on rodent feeder cells, or, for serum or serum components, preabsorbed with rodent cells

• Commercially obtained biological material for which the vendor can supply **complete** negative screening results for murine pathogens

  - If a cell or biological vendor states that they have tested the product, researchers can forward whatever certification they provide and the ARC veterinary staff evaluate the testing. However, aside from LDEV-free Matrigel and cell lines coming from a few commercial sources, most testing (for example, ATCC) is not complete.

**Excluded Agents and Testing Requirements:**

• Externally-sourced biologicals (as described above) being used in mice must be tested via IDEXX BioResearch “IMPACT Mouse Profile 3” ([https://www.idexxbioanalytics.com/impact-pricing#mouse](https://www.idexxbioanalytics.com/impact-pricing#mouse)) or the Charles River Mouse Essential Profile ([https://criver.widen.net/s/rdjsjlhnvr/rodent-cell-line-biologics](https://criver.widen.net/s/rdjsjlhnvr/rodent-cell-line-biologics)).

• Mouse origin cell lines/tissues sourced from outside the US may be subjected to additional screening panels such as Hantavirus, MTV, etc. using the IMPACT Mouse Profile 1” or the Charles River Comprehensive Profile. Contact the ARC vet staff for additional guidance on appropriate testing.

• Biologics that will be used for tumor induction studies should be tested using the Charles River Mouse Essentials profile, or the IDEXX Impact 1 profile, as those include agents (C. bovis and Mouse Kidney Parvo Virus) known to negatively impact tumor growth. Alternatively, C. bovis and Mouse Chappovavirus can be added to the IDEXX IMPACT III test Panel. NOTE: C. bovis testing is mandatory for biologicals used in the HDB Barrier zone.

• Externally-sourced biologics of rat origin shall be tested via IDEXX BioResearch “IMPACT Rat Profile VI” ([https://www.idexxbioanalytics.com/impact-pricing#rat](https://www.idexxbioanalytics.com/impact-pricing#rat)) or the Charles River Rat Essential Panel ([https://criver.widen.net/s/rdjsjlhnvr/rodent-cell-line-biologics](https://criver.widen.net/s/rdjsjlhnvr/rodent-cell-line-biologics)).

**Additional human sample Testing:**

• Although not required, it is also possible to test human cells for human pathogens in order to have a better understanding of the status (even though they still need to be handled as BSL-2). This testing can also be done by the same two vendors:


  [https://criver.widen.net/s/qtbrmrl56/pcr-panels](https://criver.widen.net/s/qtbrmrl56/pcr-panels)