



TRANSGENIC SERVICES

Rederivation and Cryopreservation

Assisted reproduction

Customised breeding



QUICKBLASTO®

- **Species:** Mice
- **Deliverable:** morula stage embryos from C57BL/6NRj or BALB/cAnNRj strains. (For other strains, please contact us)
- **Packaging:** Small: 10 straws of 25 embryos each, e.g. 250 embryos
Large: 40 straws of 25 embryos each, e.g. 1,000 embryos

Description of our service

The **QUICKBLASTO** is a kit containing straws of frozen embryos at the morula stage. It allows you to easily dispose of blastocysts for injection of genetically modified embryonic stem (ES) cells and generation of chimeric mice. The QUICKBLASTO kit contains straws with frozen morulae that after thawing and 24 hours of cell culture at 37 °C and 5% CO₂ develop into blastocysts ready to receive the ES cells.

The main advantage is not having to worry about the steps for obtaining these blastocysts with the management of donor females in the animal rooms. This system also guarantees the amount and consistency of the blastocysts obtained and our procedures for freezing embryos allow you to obtain SOPF animals.

Our method

Procedure in your laboratory using the kit supplied with the necessary thawing equipment for thawing straws:

- defrosting a straw of 25 morulae.
- culture overnight at 37° C, 5% CO₂.
- micro-injection of stem cells into the blastocysts obtained.
- transfer of blastocysts injected into pseudopregnant recipient females.
- Pregnancy and birth of chimeras.



www.janvier-labs.com

Possible options

- All strains from JANVIER LABS's catalogue as frozen embryos.
- Custom packaging per straw.
- Straws with embryos at all stages of preimplantation development.
- Delivery of embryos at all stages of development (pre- and postimplantation) with the processing and packaging adapted to your request.

Our added value

- 50 years of experience in the management, breeding and production of rodents.
- A team of experts to advise you on the choice of strains, packaging and procedures to simplify the realisation of your models of genetically modified rodents.
- The shipment of straws in a "dry shipper" and thawing kit with our dedicated and internal transport service.

Our additional offer



Research models



Laboratory services