

NEWSLETTER

Animal Resources Centre

CoVID RESEARCH

For CoVid researchers the K18-hACE2 mouse is now available!

The ARC welcomed the K18-hACE2 mice from The Jackson Laboratory in May and several have shipped to date. Kindly note these animals ship in our international shipper.



CEO Message

Never has the need for ethical animal use in biomedical research been so clear, but still there are those doubting their benefits as nations of all stripes work to develop vaccines or pursue therapeutics against CoVID 19. It is unfortunate that recent news of not one, but two, vaccines was met with such skepticism. There were no vaccines available for the 1918 Spanish Flu and there would be no flu vaccines until the 1940s, at some level we have walked a mile in our grandparents' and great-grandparents' moccasins! It was in 1955 when global headlines proclaimed "Salk's Vaccine Works!" against polio. On the occasion of the Salk polio vaccine's 60th anniversary I asked my mother what it was like before the vaccine. She described summers away from friends, swimming pool closures, and either not going places or going, but being unable to get out of the car. Sound familiar?

The year has gone fast, yet slow, at the same time. It was a time where we leaned on each other to develop our disaster plans, contingencies, and for too many, to work from home. The work-life balance was disrupted by Zoom, Teams, and the ilk. As this unique year comes to an end, I'm reminded of the ol' adage, "there's light at the end of the tunnel". While symbolic of hope, it's a stark reminder that we are still in the tunnel.

The ARC staff hopes that our customers have an enjoyable and safe holiday season as well as a fun and relaxing (as possible) summer! Thank you for putting your trust in the ARC at a challenging time.

2021 HOLIDAY DELIVERIES

The ARC will *not* be dispatching animals for delivery the following days:

- January 25 and 26, 2021
- March 1, 2021
- April 1, 2021
- April 5, 2021
- April 26, 2021
- June 7, 2021
- September 27, 2021
- Christmas/New Year's: TBD

2021 PRICE INCREASE

The 2021 price increase is ~6% with a few lines being slightly higher/lower. Wherever possible the ARC held prices steady (e.g., animal imports, exports). Prices take effect on January 11, 2021.



ANIMAL UPDATES

Aged Mice and Rats

The ARC continues to receive multiple requests for aged mice and rats. We have accommodated customers by reserving stock or using ex-breeders and raising them to the required age where possible. The ARC established a modest colony of aged C57BL/6J Arc mice and maintains select other aged mouse lines for customers. Customers have requested other aged mouse lines. When requesting aged mice or rats, please provide the strain, number, age, and the approximate animal delivery date.

Custom Colony Maintenance

The ARC maintains multiple customer rat and mouse colonies for a variety of research groups. Customers using this service frequently have ARC staff assist with the data collection, tailing, etc. This service can be combined with rederivation and cryopreservation, as needed and depending on the colony's health status. Please contact us if you have an interest in this valuable service.

Biospecimen and Surgical Services

The ARC can provide researchers with various rat or mouse organs, tissues (including serum and plasma), or animals that have undergone select surgical procedures

Summer Transport

We anticipate shipping through the summer months will be challenging, given the current flight schedules and limited interstate movement. In anticipation of border openings and a passenger flight increases; we ask for your assistance and diligence in checking the weather forecast prior to placing your orders. This way we can ensure animal welfare is at the highest on the priority list along with the continuation of research work. We endeavor, as always, to provide you with as much advanced notice as possible, in the event of the situation changing and will continue to work closely with Jetpets to optimize the best travel situation to the capital cities. We encourage customers to please visit the ARC's website for more [Transportation and Delivery](#) information.

Online Ordering Reminder

The ARC has an online ordering system; advantages include:

- Increased order accuracy
- Order anytime
- Notice of specials and discounts
- Order history

Please contact [Mr. Jason Vanderlande](#) for more details.

You can always contact the ARC with a question, concern, or to clarify a matter surrounding an order.

TACONIC DISTRIBUTORSHIP



The Animal Resources Centre is pleased to announce that we are now the Australia and New Zealand Distributors for Taconic Biosciences, Inc.

Please contact ARC Imports imports@arc.wa.gov.au for more information and quotations.

ONCO RAT

Onco Rat - **SD-Rag2^{tm2Hera}
Il2rg^{tm1Hera}/HeraArc**

Produced under contract with Hera Biolabs.

- ✓ A new Rag2/Il2rg SCID rat
- ✓ Sprague Dawley Rag2 null rats created from engineered spermatogonial stem cells are immunodeficient and permissive to human xenografts
- ✓ The humanized SRG rat may be an alternative model to humanized mice and syngeneic mouse models.

For information and prices please contact ARC Orders orders@arc.wa.gov.au

