



March 8, 2017

RE: JAX[®] Mice strain 129P3/J (Stock # 000690)

Dear Researcher:

This memo is to notify you that future orders of 129P3/J (Stock # 000690) may contain mice with up to three different coat colors (albino, light chinchilla, and chinchilla), whereas prior orders would have contained up to two coat colors (albino and light chinchilla).

The 129P3/J (Stock # 000690) strain has historically been maintained using breeders that are segregating “albino” (Tyr^c) and “chinchilla” (Tyr^{c-ch}) alleles of the Tyrosinase (Tyr) gene. Depending on how these alleles are inherited, mice can express one of three coat colors: albino (Tyr^c / Tyr^c), light chinchilla (Tyr^c / Tyr^{c-ch}) or chinchilla (Tyr^{c-ch} / Tyr^{c-ch}). Until recently this strain has been maintained to produce only albino and light chinchilla mice; however, to expand the availability of this strain, mice with the chinchilla coat color are now being distributed as well.

With the exception of the Tyr gene, 129P3/J mice with different coat colors are otherwise genetically homogeneous, as they are the product of over 200 generations of inbreeding. Another 129 substrain, 129X1/SvImJ (Stock # 000691), is maintained using a similar breeding scheme that produces up to three different coat colors. Photographs of the three coat colors are available on the strain data sheet at <https://www.jax.org/strain/000690>

Please feel free to contact Technical Information Services at micetech@jax.org or 1-800-422-6423 if you have any questions.

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