B6C3Fe a/a-Dst<sup>−/−</sup>/J

Stock No: 000211 | dystonia musculorum Jackson

🧬 Spontaneous Mutation

CRYO RECOVERY

Overview

Also Known As: dystonia musculorum Jackson

Mice homozygous for the dystonia musculorum-J spontaneous mutation (Dst<sup>−/−</sup>) are recognizable at 7 to 10 days of age by clasping of the hindlimbs when mice are lifted by the tail. There is increasing incoordination with alternating hyperextension and hyperflexion of the limbs but no obvious paralysis. Many affected animals die before weaning, but some survive several months. The clinical condition becomes relatively stationary after the first phase of deterioration. Histologically, the nervous system shows degenerative changes and progressive loss of nerve fibers in the central and peripheral branches of the sensory ganglion cells of the spinal and cranial nerves, in the central sensory pathways, and in peripheral sensory structures such as skin, Pacinian corpuscles, and muscle spindles. In the PNS, there is some segmental demyelination and other abnormalities of the myelin sheaths.

### Genetic overview

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<th>Genetic Background</th>
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