Fischer F344 Rat

Origin: Zentralinstitut für Versuchstierzucht (Hannover)- 2013
Strain name: F344/HanZtmRj
Type : Inbred rat
Colour and related genotype: Albino rat
Breeding: Easy to rear

Detailed specifications

Main application and research fields

- Ophthalmology
- Oncology
- Toxicology
Description of our model

This strain, the F344, was selected by Curtis and Dunning in 1920 at the Columbia University Institute for Cancer Research. Then it was acquired by a breeder FISCHER then transmitted to Heston in 1949 and at the NIH in 1951.

The F344 rat does not present any deficient activity of the Dipeptidyl peptidase-4 (DPP4), also known as adenosine deaminase complexing protein 2 or CD26, in contrary to other sublines.

Reproduction data

<table>
<thead>
<tr>
<th>Monogamous mating</th>
<th>Mâle</th>
<th>Femelle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Litter size at birth</td>
<td>7,4</td>
<td></td>
</tr>
<tr>
<td>Weaning %</td>
<td>97</td>
<td></td>
</tr>
<tr>
<td>Productivity index</td>
<td>1,27</td>
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<tr>
<td>Sterility %</td>
<td>2</td>
<td></td>
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<tr>
<td>Gestation time</td>
<td>Between 20 and 23 days</td>
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</table>
JANVIER LABS 2015 provisional Data, for an indicative basis
Health monitoring reports