

CERTIFICATE

This is to certify that the breed stock of the following strain has been supplied by Charles River to Vital River Lab Animal Tech Co Ltd August 2021, and has been maintained in isolators at our production facilities in Wilmington, Massachusetts.

Nomenclature Crl:CD1(ICR)

Origin The original group of Swiss mice that served as progenitors of this stock consisted of two male and seven female albino mice derived from a non-inbred stock in the laboratory of Dr. de Coulon, Centre Anticancereux Romand, Lausanne, Switzerland. These animals were imported into the United States by Dr. Clara Lynch of the Rockefeller Institute in 1926. The Hauschka Ha/ICR stock was initiated in 1948 at the Institute for Cancer Research (ICR) in Philadelphia from "Swiss" mice of Rockefeller origin. To Dr. Edward Mirand of Roswell Park Memorial Institute where they were designated as HaM/ICR. To Charles River in 1959. **Coat Color** White (Albino).

Research Application general multipurpose model, safety and efficacy testing, aging, surgical model, pseudopregnancy

August 20, 2021

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