



22 June 2016

Animal Care and Use Statement

Study protocol: The study of the effects of DPP4 inhibitor linagliptin on structural changes in the kidneys and liver in a model of type 2 diabetes in *db/db* mice.

Animal care and use: Study enrolled 24 specific pathogen free (SPF) status male *db/db* mice (BKS.Cg-*Dock7^m+/+Lepr^{db}/J*). The animals were acclimatized to laboratory condition for two weeks prior to experimentation. Mice were housed in individually ventilated cages (Animal Care Systems, USA) in groups of one to four animals per cage with ad libitum food (Ssniff, Soest, Germany) and water. The mice were kept in the room within a SPF animal facility with a regular 14/10 hour light/dark cycles (lights on 02:00 a.m.), at a constant room temperature of $24 \pm 2^\circ\text{C}$, and relative humidity approximately $45 \pm 10\%$. The protocol was designed to minimize pain or discomfort of the animals. All experiments were carried out in compliance with the protocols and recommendations for the proper use and care of laboratory animals (ECC Directive 86/609/EEC).

Head of SPF-vivarium,
Evgenii L. Zavjalov

A handwritten signature in blue ink, appearing to be 'Evgenii L. Zavjalov', is written over a light blue rectangular background.