

## Non-Invasive Blood Pressure (NIBP)

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At 11 weeks of age, the mice had their blood pressure and heart rate measured using a tail cuff system (MC4000, Hatteras Instruments). To minimize discomfort of the mice during the procedure they were held in a darkened restrainer which was placed on a heated platform (38 degrees Celsius), and a cuff was secured at the base of the tail. The procedure was spread over 5 days, including one training and 4 measurement days, each consisted of 5 acclimatisation and 15 measurement cycles.

This assay was only performed on Pipeline 1 where the mice were fed a High Fat Diet (21.4% crude fat content, Western RD, 829100, Special Diets Services) from 4 weeks of age.