

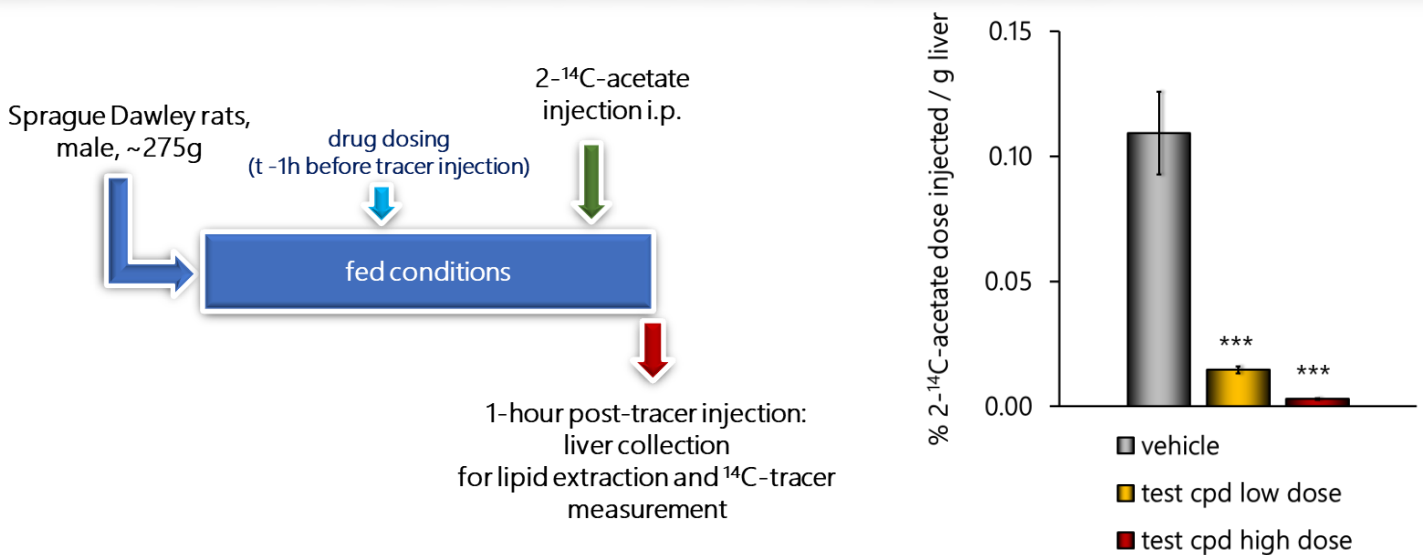
Radio-tracers based *in vivo* quantification of *de novo* liver lipogenesis

✓ Get benefits from the unique expertise of Physiogenex in radio-tracers based assays to quantify the impact of your drug on *in vivo* liver lipogenesis

Key benefits

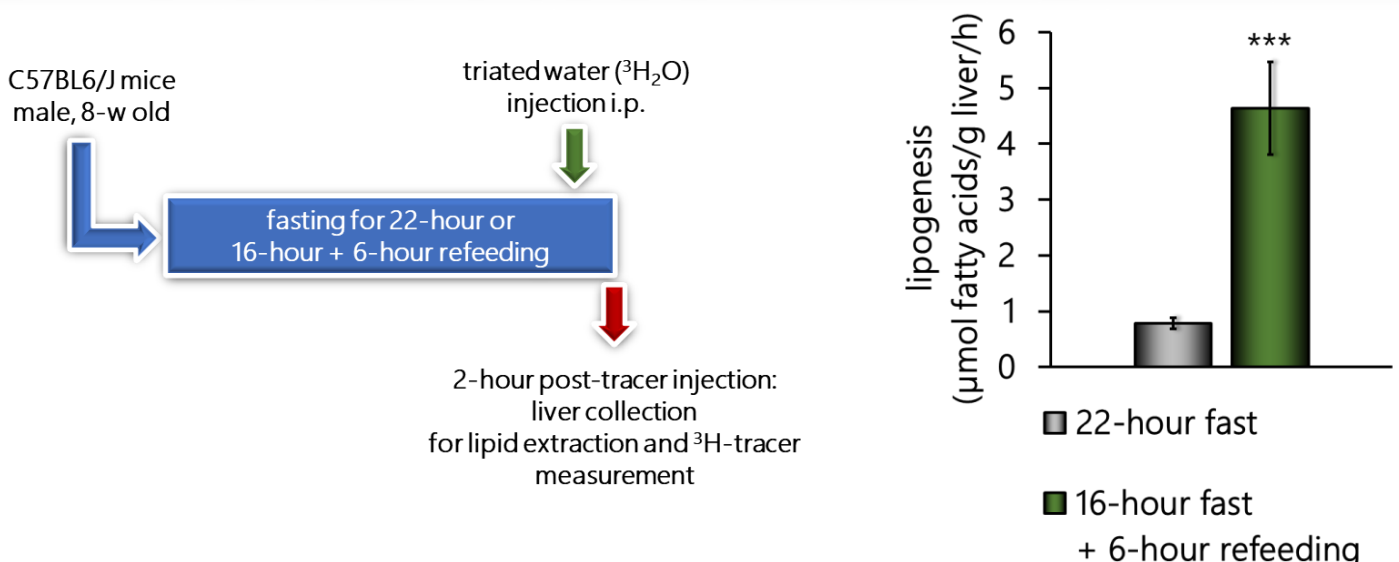
✓ ***In vivo, ultra-fast, accurate, quantitative & sensitive***: radio-tracers based procedures in both rats and mice

QUANTIFICATION OF *DE NOVO* LIVER LIPOGENESIS IN RATS



Left panel: experimental design for quantifying *de novo* liver lipogenesis in rats after 2-¹⁴C-acetate i.p. injection. Right panel: effect of a test compound at low and high dose on liver *de novo* lipogenesis in fed rats. ***p<0.01 vs. 22-hour fast.

QUANTIFICATION OF *DE NOVO* LIVER LIPOGENESIS IN MICE



Left panel: experimental design for assessing *de novo* liver lipogenesis in mice after ³H₂O i.p. injection. Right panel: effect of refeeding on liver *de novo* lipogenesis in fasted mice. ***p<0.01 vs. 22-hour fast.