

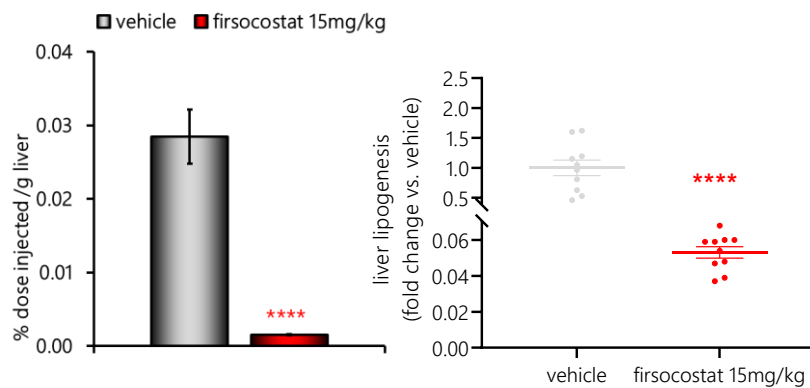
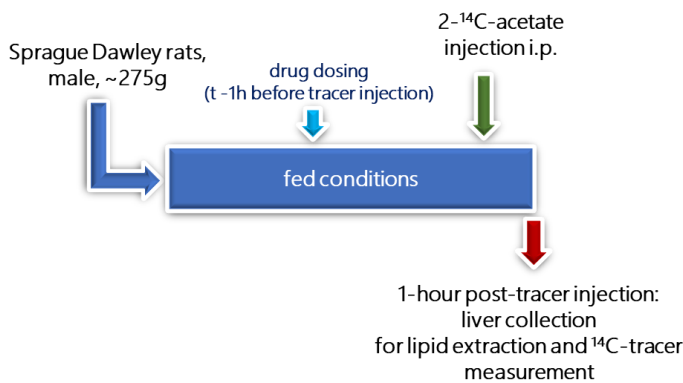
Radio-tracers based assessment of *de novo* liver lipogenesis *in vivo*

✓ Get benefits from Physiogenex unique expertise in radio-tracers based experiments to evaluate the effects of your drug on *in vivo* liver lipogenesis

Key benefits

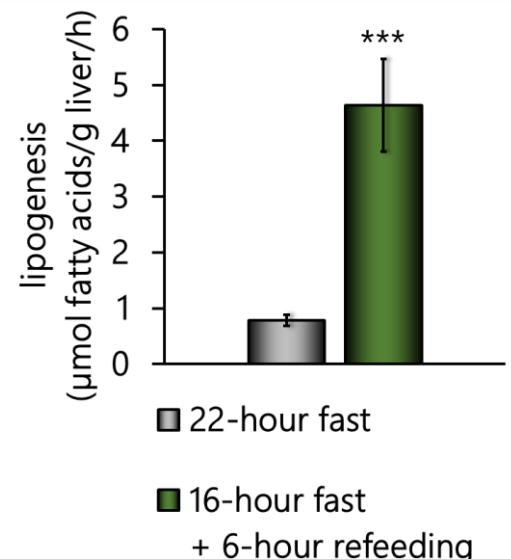
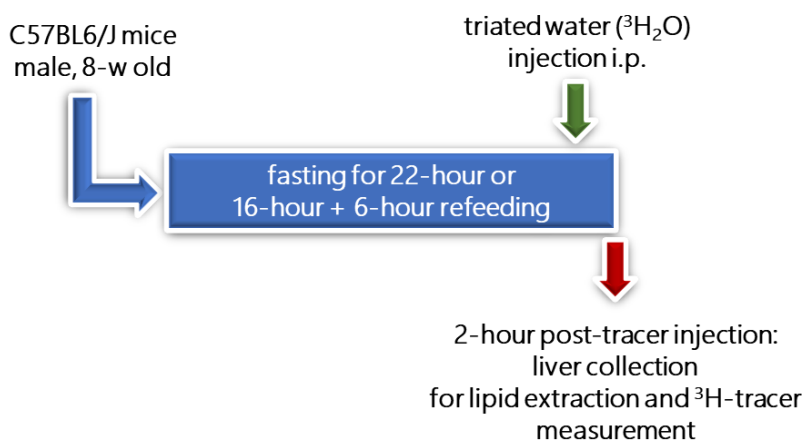
- ✓ Ultra-fast and sensitive evaluation of the acute or chronic effects of your drug on liver lipogenesis with our radio-tracers based methodologies in both rats and mice

ASSESSMENT OF *DE NOVO* LIVER LIPOGENESIS IN RATS



Left panel: experimental design for assessing *de novo* liver lipogenesis in rats after 2-¹⁴C-acetate i.p. injection. Right panel: effect of the ACC inhibitor firsocostat on liver *de novo* lipogenesis in fed rats expressed as % of ¹⁴C-acetate injected dose (left graph) or fold change vs. vehicle (right graph). ****p<0.0001 vs. vehicle.

ASSESSMENT 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<0.001 vs. 22-hour fast.