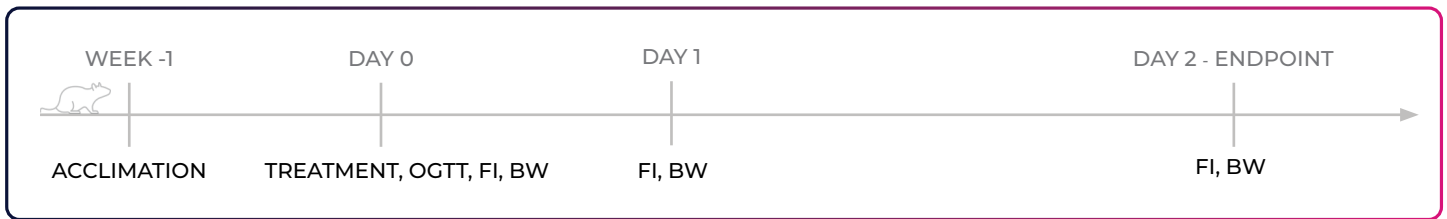




SHORT-TERM FOOD INTAKE AND GLUCOSE TOLERANCE MOUSE MODELS

SHORT-TERM FOOD INTAKE MOUSE MODEL

STUDY DESIGN AND TIMELINE



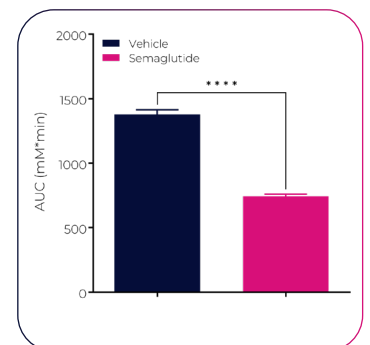
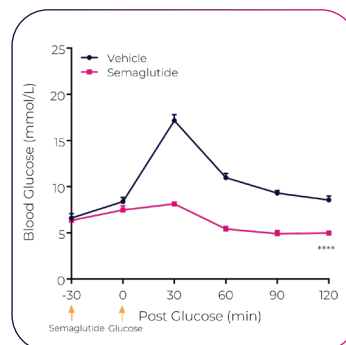
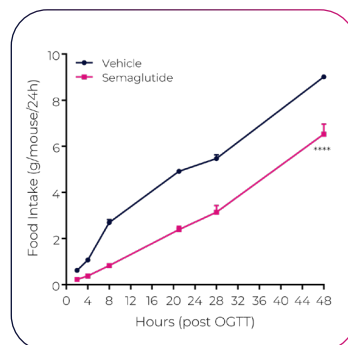
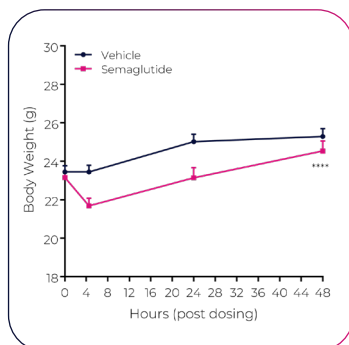
- Strain
 - Male C57BL/6N mice, 6-7 weeks on arrival
- Diet
 - Standard rodent chow
- SoC Reference
 - Semaglutide

MAJOR READOUTS

- Daily body weight (BW) measurements
- Daily food intake (FI) measurements
- OGTT (oral glucose tolerance test) measured on day 0

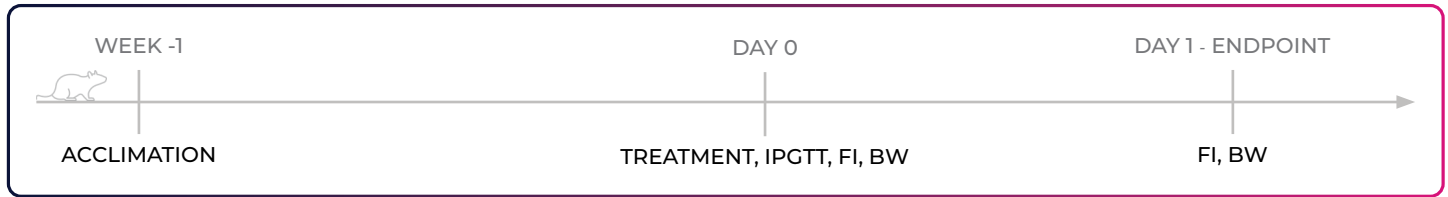
SEMAGLUTIDE STANDARD OF CARE VALIDATION:

- Treatment with semaglutide significantly reduced body weight and food intake compared to vehicle-treated animals ($p < 0.0001$)
- Compared to the vehicle group, treatment with semaglutide prior to a glucose challenge significantly improved glucose tolerance ($p < 0.0001$)



SHORT-TERM GLUCOSE TOLERANCE MOUSE MODEL

STUDY DESIGN AND TIMELINE



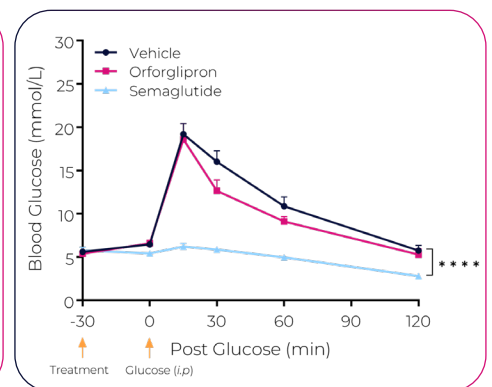
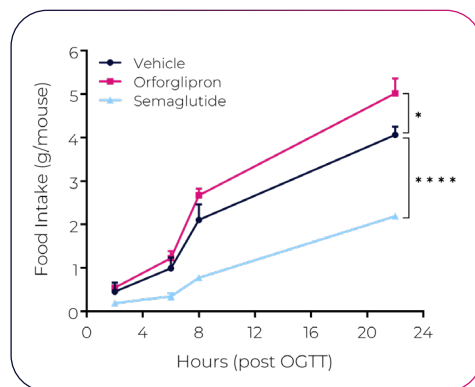
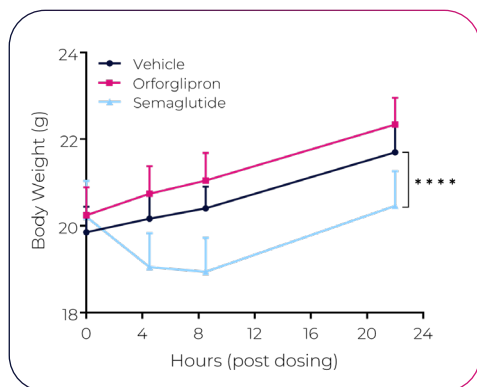
- Mice:
 - C57BL/6N, 6-7 weeks on arrival, male. Vendor – cyagen
 - B6-hGLP-1R, 6-7 weeks on arrival, male. Vendor - cyagen
- Diet: Standard rodent chow
- SoC Reference: Semaglutide and orforglipron

MAJOR READOUTS

- Body weight (BW) measurements
- Food intake (FI) measurements
- IPGTT (intraperitoneal glucose tolerance test)

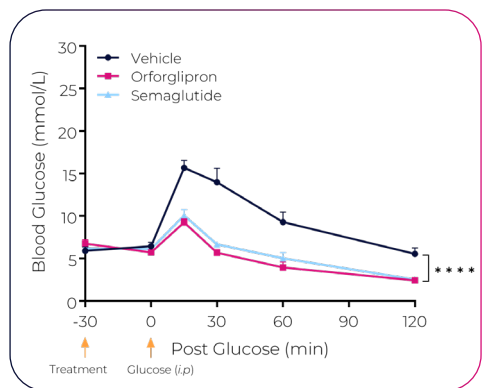
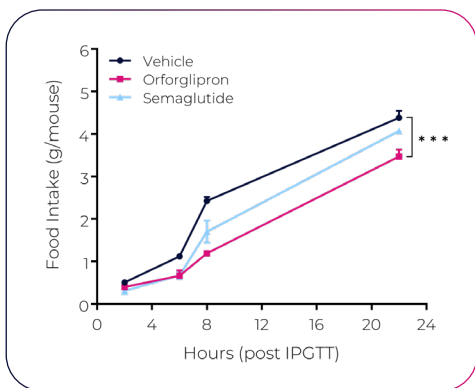
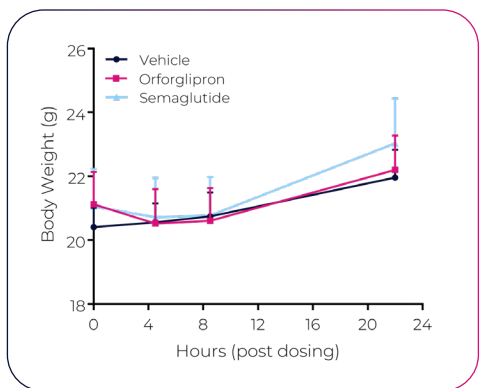
SEMAGLUTIDE AND ORFORGLIPRON STANDARD OF CARE VALIDATION: C57BL/6N MICE

- Significant decrease in body weight and food intake with semaglutide administration ($p < 0.0001$)
- Significant increase in food intake with orforglipron administration ($p = 0.0197$)
- Treatment with semaglutide prior to a glucose challenge effectively reduced blood glucose ($p < 0.0001$)



B6-hGLP-1R MICE

- No significant change in body weight following administration of either treatment was observed
- Significant decrease in food intake with orforglipron administration ($p = 0.00031$)
- Treatment with semaglutide or orforglipron prior to a glucose challenge, effectively reduced blood glucose ($p < 0.0001$)



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