

Early development

Las Vegas clinic — Glucose clamp study capabilities

Your partner to successfully deliver IBS studies

The PPD™ clinical research of business of Thermo Fisher Scientific's Las Vegas clinical research unit can conduct glucose clamp studies in both healthy and patient populations, performed by a team of professionals with a wealth of experience in metabolic research.

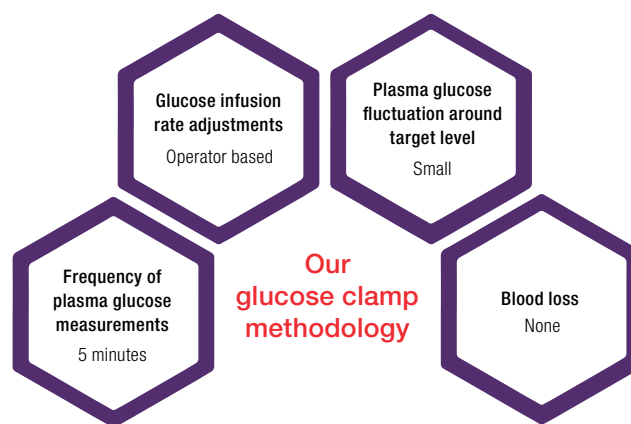
Glucose clamp methodology

The clamp procedures conducted at our Las Vegas clinic are conducted via a method that utilizes an automated system to conduct blood draws for plasma glucose measurements with glucose infusions administered based on plasma glucose trends as well as analysis by an operator. Plasma glucose can be acquired every five minutes using this method, with no blood loss, which allows for more data points to be collected and greater accuracy in delivering the precise glucose infusion requirements versus a manual clamp.

Clamp study types

Our glucose clamp methodology measures the pharmacodynamic depiction of the effects of investigational products in early phase clinical trials for the development of anti-diabetic compounds. A variety of glucose clamp studies can be performed at the Las Vegas clinic including:

- **Euglycemic clamp**—to plot the pharmacodynamic profile of a drug (hypoglycemic agent); typical design for bioequivalence trial
- **Euglycemic hyperinsulinemic two-step clamp**—to measure insulin sensitivity (resistance)
- **Multiplateau hyperinsulinemic clamp**—to test the efficacy of glucose measurement devices
- **Hypoglycemic clamp**—for hypoglycemic treatment medications or interactions. Additionally, by leveraging the clinic's state-of-the-art capabilities, all associated early development services can be performed in-house including pharmacy services, data management, medical monitoring and medical writing.



Experienced clinic team

The Las Vegas clinic has a team of experienced early phase experts — including investigators, directors, registered nurses, and project managers — many of whom have experience conducting metabolic research and glucose clamp trials.

OUR LAS VEGAS TEAM HAS CONDUCTED
MORE THAN **310** METABOLIC AND
MORE THAN **50** GLUCOSE CLAMP
TRIALS COMBINED



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