

CATALOG# 81692

MOUSE GLUCOSE ASSAY KIT

Catalog number

Mouse Glucose Assay Kit81692

Intended use

A high quality enzymatic assay for the quantification of mouse glucose in serum, plasma, and urine.

Test principle

Crystal Chem's The Mouse Glucose Assay Kit is based on a multi-step reaction. To start, α -D-glucose is rapidly converted to α -D-glucose in the presence of mutarotase. The α -D-glucose is oxidized and yields hydrogen peroxide as a by-product. In a closing reaction, the hydrogen peroxide reacts with chemical reagents to yield a red dye. The dye formation is monitored by measuring absorbance at 505nm and is directly proportional to the glucose concentration in the rat sample.

Specifications

| | |
|----------------------|------------------------|
| Sample Types | Serum, Plasma, & Urine |
| Assay Time | 5 minutes |
| Range (Serum) | 0- 675 mg/dL |
| Sample Size | 2 μ L |
| Precision | CV < 10% |

10-Kit Pack

Mouse Glucose Assay 10-Kit Pack81694

The 10-Kit Pack contains ten individually packaged kits and offers significant savings for high volume users.

Highlights

- ✓ Kits use only 2 μ L sample
- ✓ Fast assay time (5 minutes)
- ✓ Specific and easy-to-use
- ✓ Optimized for mouse samples
- ✓ Also available as a 10-Kit pack (Cat# 81694)

Summary of protocol

Add 2 μ L of sample



Add 300 μ L of enzyme solution



Incubate for 5 minutes at 37 °C



Measure OD at 505 nm

