

DIRECT GLUCOSE UPTAKE ASSAY

Measure physiological Glucose Uptake

REAL DIRECT RESULTS

Rapidly quantify direct glucose uptake using a specific glucose detection enzyme

PERFORMANCE

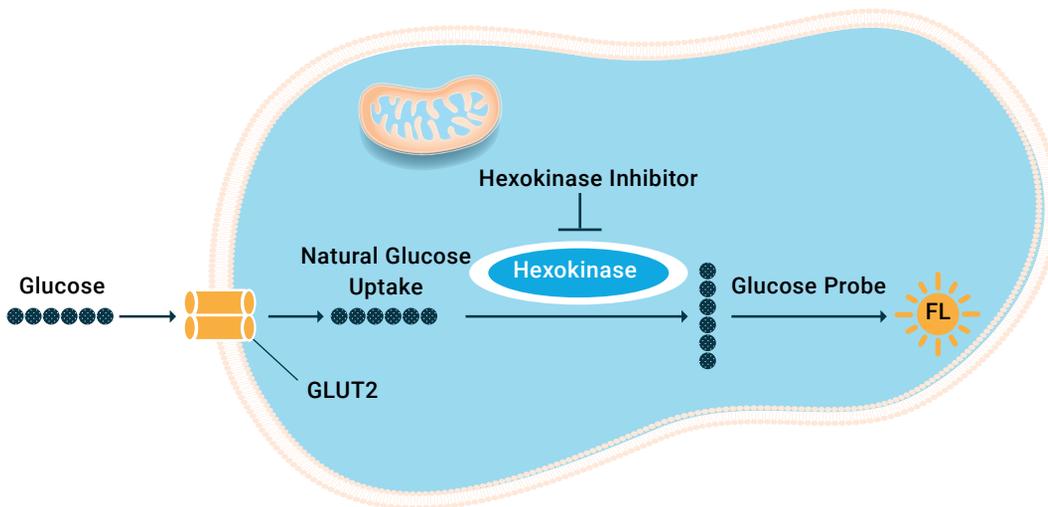
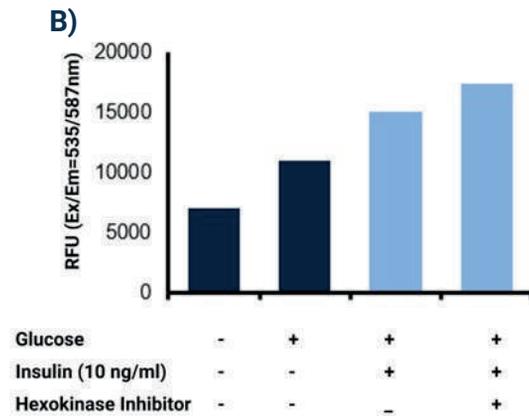
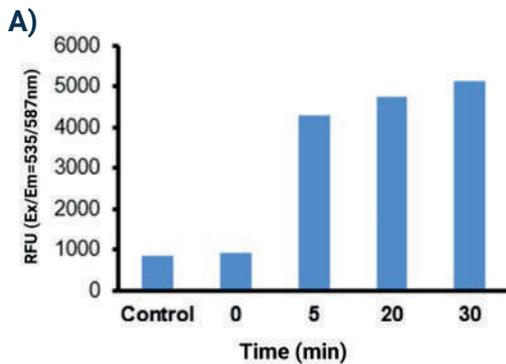
Less than 15% assay variability versus 60% with 2-DG based methods

SENSITIVE

Measure down to 5pmol per well

EASY-TO-USE

Simple protocol with 6 components



A) Glucose Uptake time course in Jurkat Cells: Cells were starved (Glucose-free, FBS-free media, inhibitor incubation time: 2 h.

B) 3T3-L1 cells were Glucose and FBS Deprived for 24 hrs, switched to media with Glucose, stimulated without or with Insulin (10 ng/ml) for 15 min (Blue bars), with or without 1X Inhibitor.

| ASSAY | CODE | READ-OUT | SENSITIVITY | SAMPLE TYPE | PACK SIZE |
|---------------------------------|---------|--------------|-------------|---------------------|---------------|
| Direct Glucose Uptake Assay Kit | BN01098 | Fluorometric | 5pmol | Adherent/Suspension | 2 x 96 Assays |

FATTY ACID OXIDATION ASSAY KIT

Assays so simple your granny could do them

REAL DIRECT RESULTS

Simply quantify fatty acid oxidation in cells and tissues using our unique Octanyl CoA substrate

RAPID

Assay for Fatty Acid Oxidation in less than 120 minutes

FLEXIBLE

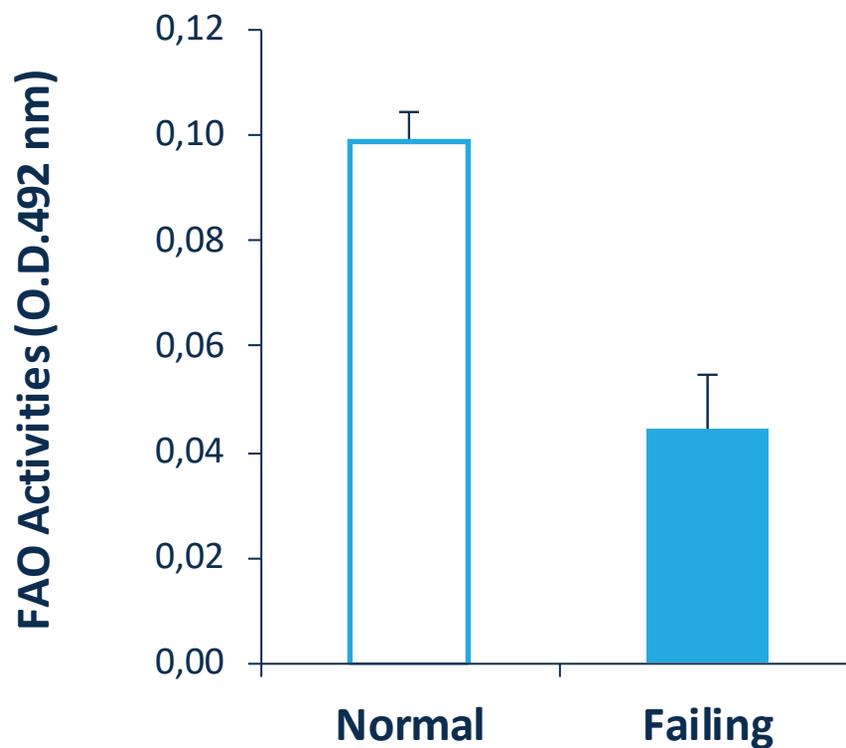
No special instrument required. Measure using absorbance plate reader at 492nm

EASY-TO-USE

Simple protocol with 3 kit components



Fatty Acid Oxidation Assay



Fatty Acid Oxidation Assay: Tissue lysates were prepared from healthy Hamster hearts and the hearts of the T02 Hamster model which is associated with heart failure. Lysates were used in the assay and the levels of fatty acid oxidation quantified.

| ASSAY | CODE | PACK SIZE |
|--------------------------------------|---------|---------------|
| Fatty Acid Oxidation (FAO) Assay Kit | BR00001 | 1 x 96 Assays |