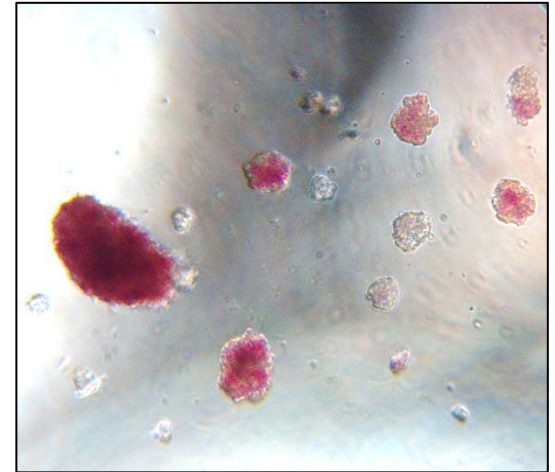


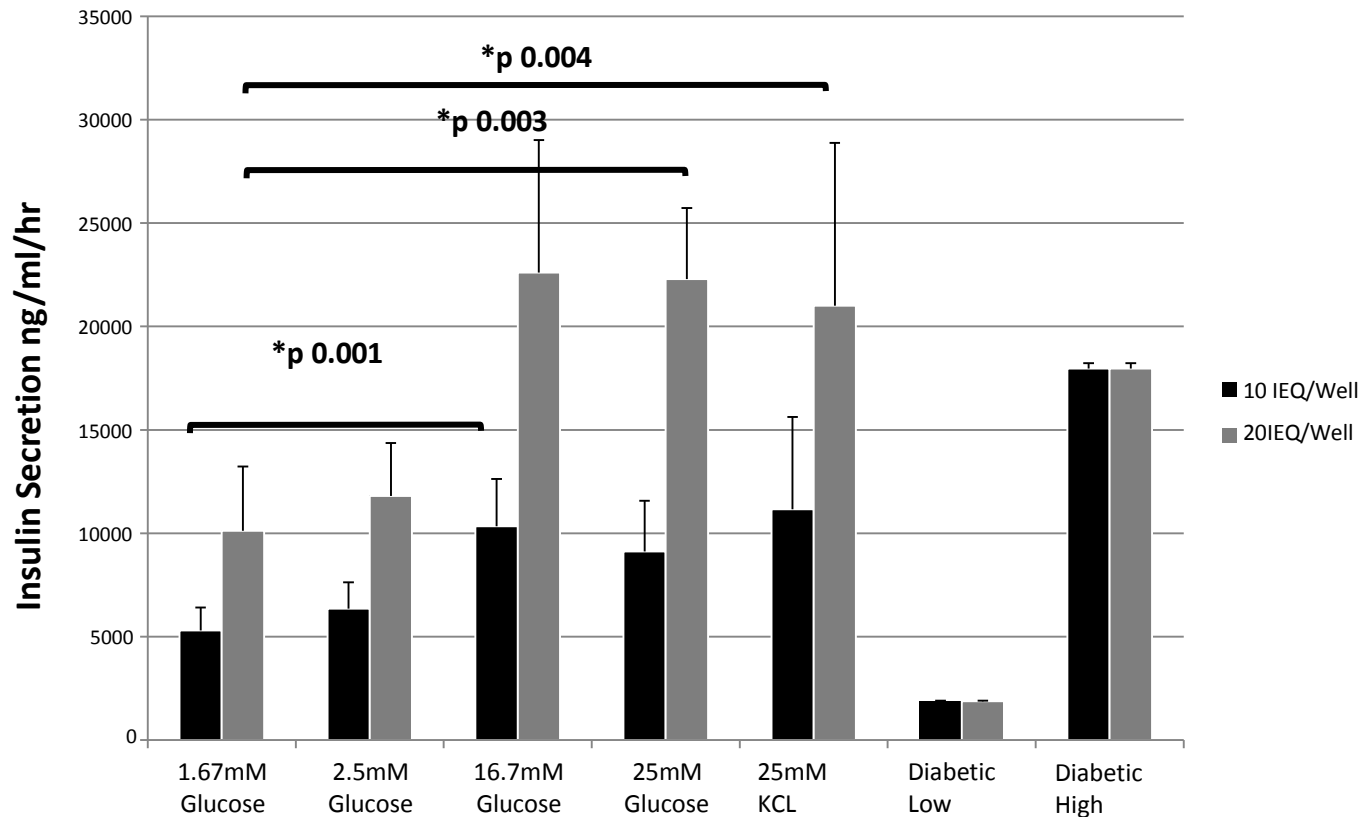
GSIS Assay Format

ASSAY FORMAT

- 24 or 96 well format
- 5-20 Islet equivalents/well
- Samples performed in triplicate (minimum)
- A range of glucose concentrations (1.67-25mM) are used to evaluate islet GSIS assay performance
- Additional controls such as KCl, GLP-1 and IBMX can also be used
- Vehicle controls included

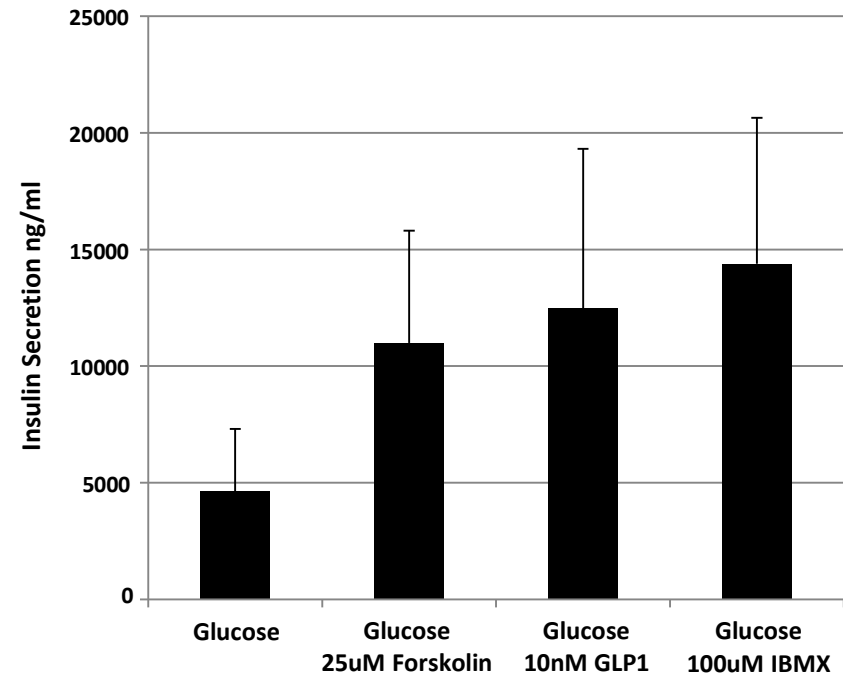
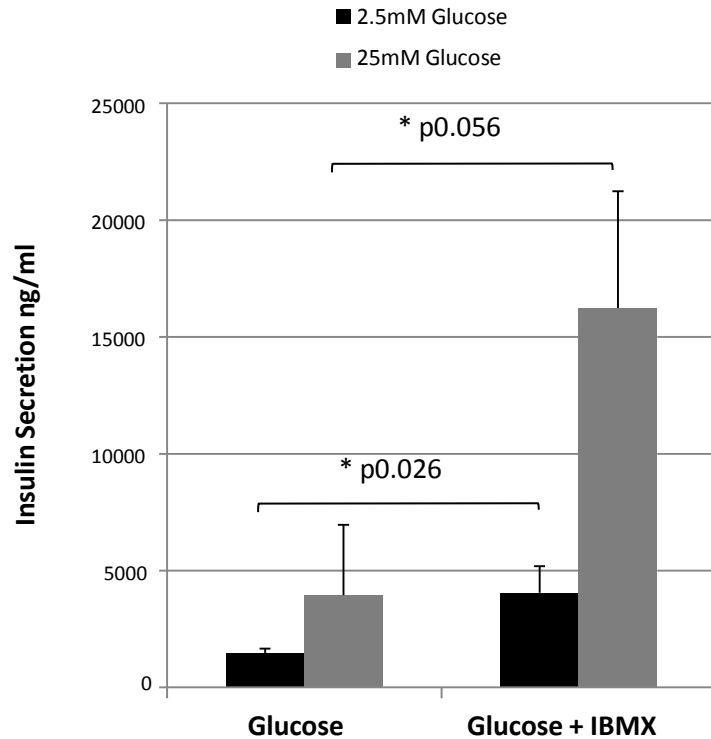


Whole Islets GSIS Assay



Stimulation Index		1.67mM Glucose	2.5mM Glucose	16.7mM Glucose	25mM Glucose	KCL
	10IEQ/well	1	1.2	2.0	1.7	2.1
	20IEQ/Well	1	1.2	2.2	2.2	2.1

Whole Islet GSIS with Insulin Secretagogues



Stimulation Index	2.5mM	2.5mM IBMX	25mM	25mM IBMX
	1	2.8	1	4.1

Stimulation Index	Glucose	Forskolin	GLP1	IBMX
	1	2.4	2.7	3.1