

Solutions for Research & Discovery

Convenient, Safe and Cost-effective



BIOASSAY SYSTEMS offers assay kits that are simple, convenient to use and superior in performance. With our assay kits, researchers need little-to-no time for assay optimization. We specialize in biochemical and cell-based assays for both routine laboratory tests and for high-throughput drug discovery applications with a focus on safe, non-radioactive assay formats such as absorbance, fluorescence and luminescence detection techniques. Our product portfolio consists of kits and analytical services for a broad range of research areas including:

- Blood/Urine Chemistry
- Energy Metabolism
- Enzyme Activity
- HTS Reagents
- Ion Assays
- Oxidative Stress
- Signal Transduction

For more information or to place an order, please contact:

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Handheld Fluorometer (360/450nm, Cat# FL360450)

Portable and light-weight, our handheld fluorometers provide exceptional sensitivity, rapid-reading, and reliability at a much lower cost than other portable fluorometers on the market. These convenient readers can be used for applications in many fields such as biology, chemistry, medicine, food safety and environmental monitoring. Three common excitation/emission wavelength configurations are offered. Built-in memory saves data, which can be retrieved for data analysis by a USB interface.

- Ammonia/Ammonium Assay (Cat# DNH3-200)

Samples: biological (e.g. urine) and environmental (soil extracts) samples.

Assay Performance

Linear detection range: 0 to 1 mM (0 – 17ppm)
Detection limit: 30 µM (0.5 ppm)
Typical precision (CV%): <2% at 1mM; <4% at 0.25 mM

- DNA Quantification Assay (Cat# QFDN-250)

Samples: plasmid DNA, genomic DNA, cDNA, DNA following polymerase chain reaction, and DNA extracted from gel and other matrices.

Assay Performance

Linear detection range: 0 to 3,000 ng/mL
Detection limit: 16 ng/mL
Typical precision (CV%): <4% at 3,000 ng/mL; <2% at 1,000 ng/mL

- Formaldehyde Assay (Cat# DFOR-100)

Samples: formaldehyde extracted from biological, food and environmental samples.

Assay Performance

Linear detection range: 0 to 100 µM (0 - 3,000 ppb)
Detection limit: 0.9 µM (27 ppb)
Typical precision (CV%): <4% at 100 µM; <4% at 30 µM

- Protein/Peptide Assay (Cat# QFPR-200)

Samples: proteins or peptides.

Assay Performance

Linear detection range: 0 to 200 µg/mL (BSA)
Detection limit: 50 ng/mL
Typical precision (CV%): <5% at 25 µg/mL; <3% at 200 µg/mL

Product Type	Single Tube Fluorometer
Read Type	Discrete
Sample Format	200 µl PCR tube or mini glass tube
Excitation and Emission Wavelengths (nm)	360/450, 480/530, 530/590
Sensitivity	100pM
Dynamic Range	> 6 Orders of Magnitude, Assay Dependent
Read Out	Direct Concentration or Relative Fluorescence Unit
Calibration	Linear Calibration (Blank and Standard)
User Interface	Touch Screen LCD Display
Power	5VDC Power Adaptor (included), or 4 AA Batteries
Computer Interface	USB Interface for Data Retrieval (included)
Dimensions (L x W x H)	185mm x 90mm x 35mm

