

# 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 Fluorimeter (530/590nm, Cat# FL530590)

Portable and light-weight, our handheld fluorimeters provide exceptional sensitivity, rapid-reading, and reliability at a much lower cost than other portable fluorimeters 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.

### Simple Procedure:

1. Prepare assay reactions.
2. Calibrate reader.
3. Measure samples.

### Example: Cholesterol Assay (Cat# E2CH-100)

*Samples.* Serum, plasma, and other biological samples.

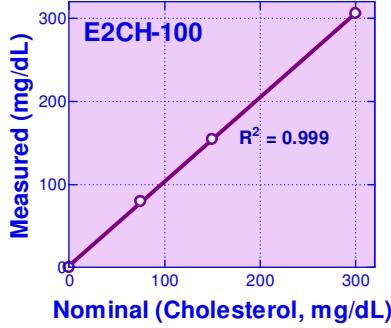
### Assay Performance

Linear detection range:

0 to 300 mg/dL

Detection limit: 1 mg/dL

Typical precision (CV%): <1%.



### Assays (Cat #) For FL530590 Reader

- Acetate Assay (EOAC-100)
- Acetylcholine Assay (EACL-100)
- Adipolysis Assay (EAPL-200)
- Alanine Assay (EALA-100)
- Ascorbic Acid Assay (EASC-100)
- Catalase Assay (ECAT-100)
- Cell Viability Assay (CQBL-05K)
- Cholesterol Assay (E2CH-100)
- Choline Assay (ECHO-100)
- Coenzyme A Assay (ECHOA-100)
- Creatine Assay (ECRT-100)
- Fatty Acid Assay (EFAA-100)
- Galactose Assay (EGAL-100)
- Glucose Assay (EBGL-100)
- Glycerol Assay (EGLY-200)
- Glycogen Assay (E2GN-100)
- HDL/LDL Assay (E2HL-100)
- Invertase Assay (EIVT-100)
- Kinase Assay (EKIN-400)
- Lactate Assay (EFDLC/EFLLC-100)
- Lactose Assay (ELAC-100)
- MAO Assay (EMAO-100)
- NAD/NADH Assay (EFND-100)
- NADP/NADPH Assay (EFNP-100)
- Neuraminidase Assay (ENEU-100)
- Peroxidase Assay (DPOD-100)
- Phenylalanine Assay (EPHE-100)
- Phospholipase D Assay (EPPD-100)
- Phospholipid Assay (EPLP-100)
- Pyruvate Assay (EPYR-100)
- Sialic Acid Assay (ESLA/DSLA-100)
- Starch Assay (E2ST-100)
- TBARS Assay (DTBA-100)
- Triglyceride Assay (ETGA-200)

Product Type	Single tube fluorometer
Read Type	Discrete
Sample Format	Mini glass tube
Exc/Em Wavelengths (nm)	360/450, 480/530, 530/590
Sensitivity	100 pM
Dynamic Range	> 6 Orders of magnitude
Read Out	Direct concentration or RFU
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

