



bioauxilium

BETTER TOOLS. REAL DISCOVERIES.

DISCOVER THUNDER™

A new era for TR-FRET

THUNDER™ TR-FRET is Bioauxilium's flagship assay platform combining an advanced TR-FRET technology with superior antibodies and stringent manufacturing standards. The THUNDER™ product line includes a comprehensive menu of highly validated cell-based assay kits for profiling key cell signaling pathways and biomarkers, as well as a suite of toolbox reagents for assay development. Our reliable assays are designed to generate data in a simple, rapid, reproducible, and consistent manner so that you can advance through research and discovery projects faster. THUNDER™ products offer a cost-effective alternative to other expensive TR-FRET technologies.

Our advanced TR-FRET platform

Uses a unique donor/acceptor FRET pair showing exceptional spectral compatibility

Donor: bright and stable Europium chelate

Acceptor: small far-red organic fluorophore

High-quality matched antibody pairs specifically screened and validated for TR-FRET

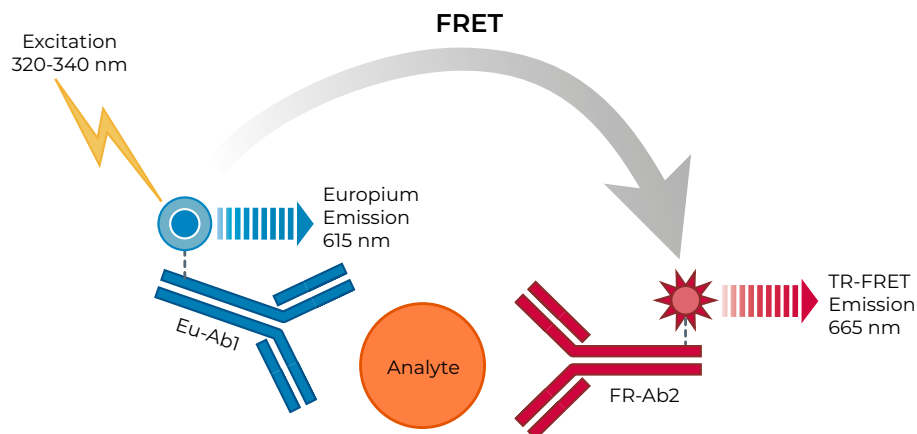
Optimized donor/acceptor concentrations for minimal background and high signal-to-background ratios

Optimally formulated lysis and assay buffers

Compatible with all TR-FRET microplate readers

Affordable

THUNDER™ TR-FRET technology



Why scientists choose THUNDER™ assays?

FAST & EASY

Optimized and validated protocols with minimal hands-on time generating faster and reproducible results.

HIGH PERFORMANCE

Our assays exhibit high signal-to-background ratios, high sensitivity, and stable signal.

FULL VALIDATION

Rigorous assay validation with relevant samples.

RELIABILITY

Stringent in-house manufacturing and quality control testing ensures lot-to-lot consistency.

CONVENIENCE

Products available in several sizes for higher flexibility.

FAST DELIVERY

Products are always in stock for shipping worldwide.

OUTSTANDING TECHNICAL SUPPORT

Timely technical support from the same scientists who developed and validated the assay.

AFFORDABILITY

The most cost-effective TR-FRET assay kits on the market.

Our products

Cell Signaling Assay Kits

Complete, ready-to-use kits

Phospho-, Total or Phospho + Total protein detection

Minimal hands-on time and fastest time-to-results

Fully validated for pharmacological relevance

Sizes: 100, 500, 2500, 5000, and 10000 points or bulk

Biomarker Assay Kits

Matched antibody pairs and optimized assay buffers

Minimal hands-on time and fastest time-to-results

Fully analytically validated

Sizes: 100, 500, 2500, 5000, and 10000 points or bulk

cAMP Assay Kit

Suitable for screening and characterization of Gs- and Gi-coupled GPCRs

Rigorously validated on endogenous and recombinant GPCR-expressing cells

Sizes: 1000, 5000, and 20000 points or bulk

Toolbox Reagents

A collection of mix-and-match reagents for assay development

Sizes: 1000, 5000, and 20000 points or bulk

Our services

Custom Antibody Labeling

Choose between our Europium chelate donor or far-red acceptor fluorophore

Fastest and most affordable labeling service in industry

Custom Assay Development

Flexible phase-gate workflow

Biochemical and cell-based assays; ELISA conversion; compound profiling

Unsurpassed project management service

Shortest turnaround time; cost-effective



bioauxilium

We have the assays to accelerate your basic and drug discovery research across numerous therapeutic areas. Explore all our products and services at [bioauxilium.com](https://www.bioauxilium.com)

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