

BRET biosensors

Lead optimization

Screening for novel pharmacologically active compounds

Predict therapeutic efficacy

Identify side-effects of your drugs

CARDIOMEDEX is a niche contract research organization (CRO) dedicated to examining the cardiovascular effects of drugs candidates.

Lead Optimization

POC, Efficacy and Safety in animals

Early POC in human

Clinical trials

Consultancy

Bioluminescence resonance energy transfer (BRET)-based biosensors are extensively used to study protein-protein interactions /dynamic or conformational changes of proteins during biological processes.

Benefit of this unique state-of-the-art screening platform for novel pharmacologically active compounds.

ADVANTAGES

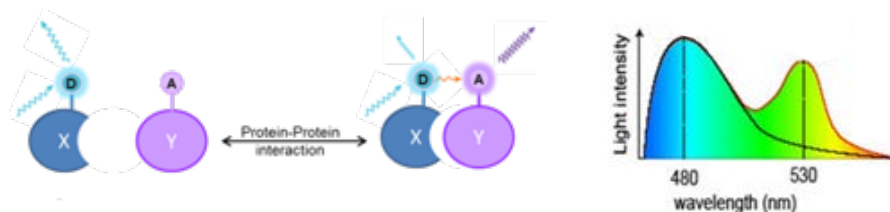
- Direct, real time and rapid investigation
- Proprietary and unique biosensors
- Highly sensitive and quantitative assays
- Applicable to established cell lines or primary culture

SERVICES

- Custom designed and manufactured biosensors
- Newly developed biosensors monitoring specific cellular signaling pathways

READ-OUTS

- **Identification/characterization of ligands efficacy:** agonist, partial agonist, antagonist
- **Receptor research:** activation, inactivation, dimerization, internalization
- **Mapping of signalling pathways:** protein translocation, ubiquitination, recruitment, second messenger production (cAMP and Ca²⁺ pathways)



BRET based concept