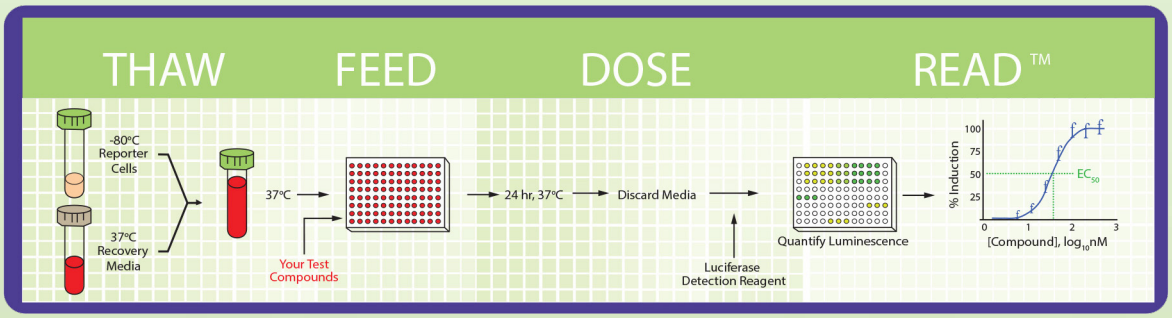
Cell-Based Reporter Assays

INDIGO's cell-based reporter assays allow scientists to detect any biological activity that their test samples may exert against a specific receptor present in the cell. They utilize firefly luciferase reporter gene technology which provides superior precision and sensitivity. Since the receptor binding controls the expression of the luciferase reporter gene, luciferase activity in the cells can be correlated directly with the activity of the receptor. The strength of an interaction of a chemical with the target receptor is quantified using a luminometer to measure the level of light emitted.

Fast, reproducible, easy-to-analyze results are only four steps away



Many luciferase reporter assays require the user to grow their own cells and take time to optimize the results. INDIGO's reporter cells contain the receptor of interest and the luciferase reporter gene. Reporter cells have been optimized to provide extreme sensitivity to quantify even small changes in receptor activity. With INDIGO's cell-based reporter assays, the process is as easy as Thaw, Feed, Dose, and Read.

Ready to Use When You're Ready to Test

Our luciferase reporter cells are prepared using INDIGO's proprietary CryoMite™ process. This proprietary cryopreservation process enables long-term preservation of our unique reporter cells, so we can ship our cryopreserved reporter cells and assay reagents for your immediate use. Or, you can store the assay kits at -80°C. Once thawed, reporter cells are ready for immediate use so there is no need to take time on intermediate spin-and-wash steps, viability determinations, or cell titer adjustments.

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Available Receptors & Potential Indications

INDIGO Biosciences offers a comprehensive portfolio of cell-based luciferase reporter assays, ideally suited for examining receptor selectivity and potential off-target effects.

INDIGO's assays have been demonstrated to provide fast, accurate, reproducible results.

In addition to human receptor assays, INDIGO also offers more than 40 ortholog assays across multiple species for use in prospective and retrospective screening of animal models.

Why Labs Choose and Trust INDIGO

- Largest Portfolio of Nuclear Receptor Assays
- Easy-to-Use, All-Inclusive Kits
- Highly Qualified Technical Support Team
- Fast Lab Results for Accelerated Decision-Making
- Clear, Reproducible Results

*Orthologs Available**

Dog	Rabbit
Mouse	Rat
Monkey	Zebrafish

Receptor	Functional Classification				Potential Indications											
	CNS, Circadian & Basal Metabolism	Lipid Metabolism & Energy	Reproduction & Development	Xenobiotic & Bile Acid Metabolism	Autoimmune	Cancer	Cardiovascular	Dermatitis	Dyslipidemia	Kidney Disease & Function	NASH/NAFLD	Neurodegenerative	Obesity	Osteoporosis	Reproduction	Wound Healing
AhR *				■		■	■	■		■	■				■	■
AP-1			■	■		■										
AR *			■		■	■	■		■	■	■	■	■	■	■	
CAR *				■							■					■
CB1R		■	■			■	■	■	■		■	■	■	■		
EGFR				■		■		■		■	■	■	■		■	■
EPOR	■					■				■		■			■	
ERα *			■		■		■		■		■		■	■	■	■
ERβ *			■		■	■	■					■	■	■	■	■
ERRα		■				■										
ERRβ			■			■										
ERRγ			■			■				■						
FGFR/βklotho		■	■				■				■		■		■	■
FGFR1/2			■		■	■				■	■	■			■	■
FXR *				■			■	■	■	■	■		■		■	
GHR			■		■	■	■		■	■	■		■	■	■	
GR *		■			■	■	■	■	■	■	■		■	■	■	
LRH-1				■		■										
LXRα *		■			■	■	■				■				■	
LXRβ *	■					■	■		■						■	
MR	■						■		■	■				■		
NFAT	■		■			■										
NF-kB					■	■	■	■		■		■				
Nrf2						■	■				■	■	■		■	
p53			■		■	■	■					■	■	■	■	
PDGFR α/β																■
PGR *					■	■	■	■	■				■	■	■	
PPARα *		■				■	■	■	■		■		■		■	
PPARδ *		■				■		■	■		■	■	■		■	■
PPARγ *		■			■	■	■	■	■	■	■		■	■	■	
PXR *				■		■	■			■	■					■
RARα *			■		■	■		■							■	■
RARβ	■				■	■		■							■	■
RARγ			■		■	■		■							■	■
RORα	■					■			■		■					
RORγ *	■			■	■	■		■			■		■			
RXRα			■		■	■		■							■	■
RXRβ	■				■	■		■							■	■
RXRγ			■		■	■		■	■				■			■
TEAD4/YAP			■			■	■			■		■	■		■	
TGFbR					■	■	■					■	■			■
TGR5							■									
TPOR					■										■	
TRα	■					■	■		■		■	■	■	■	■	
TRβ *	■	■	■			■	■		■		■	■	■	■	■	
TrkA					■	■							■			
TrkB					■	■						■			■	
TrkC						■						■				
VDR				■	■	■	■	■	■	■			■	■	■	
VEGFR					■	■	■	■		■	■	■	■		■	

Find all of INDIGO's assays on our site

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