

# Accelerate your research: outsource to our R&D scientists

Our experienced professionals can help throughout the drug discovery workflow with services for every step

With more than 20 years of experience in developing reliable, high-quality solutions, you can trust our team of scientists to help ensure the best workflow options for your research goals. Our wide range of service capabilities

leverages a diverse portfolio of high-quality and reliable products from and built by some of the most recognized life science brands in the industry.

Contact us at [thermofisher.com/askdiscovery](http://thermofisher.com/askdiscovery)

## Complete optimization and validation solutions for drug discovery

Target ID and validation	Assay development	Screening and lead ID	Lead optimization
<b>Identify gene targets and linkages to diseases</b> <b>Functional genomics</b> <ul style="list-style-type: none"> <li>• siRNA screening</li> <li>• CRISPR screening</li> </ul>	<b>Create test systems to evaluate the effects of compounds on a target</b> <b>Invitrogen™ biochemical assay technologies</b> <ul style="list-style-type: none"> <li>• LanthaScreen™, Adapta™, and Z'-LYTE™ kinase assay kits</li> </ul>	<b>Rapid identification of active compounds</b> <b>Screening services</b> <ul style="list-style-type: none"> <li>• Antibody labeling</li> <li>• Cell banking</li> </ul>	<b>Demonstrate efficacy, optimize specificity, and establish safety of drugs in cellular models</b> <b>Drug metabolism</b> <ul style="list-style-type: none"> <li>• P450</li> </ul>
<b>Custom antibody production</b> <ul style="list-style-type: none"> <li>• Monospecific polyclonals</li> <li>• Monoclonals</li> <li>• Hybridoma expansion (to 100 L)</li> </ul>	<b>Invitrogen™ cellular assay technologies</b> <ul style="list-style-type: none"> <li>• GeneBLAzer™, CellSensor™, and Tango™ cells</li> </ul> <b>Genome editing</b> <ul style="list-style-type: none"> <li>• TALs and CRISPR</li> </ul>	<b>Bulk screening reagents</b> <ul style="list-style-type: none"> <li>• Custom protein production service</li> <li>• Bulk kinases and assay reagents</li> </ul>	<b>Drug safety</b> <ul style="list-style-type: none"> <li>• hERG</li> <li>• Nuclear receptors</li> </ul>
	<b>Cell line production</b> <ul style="list-style-type: none"> <li>• Stable cell line generation                             <ul style="list-style-type: none"> <li>– Transfection</li> <li>– Lentiviral transduction</li> </ul> </li> <li>• Invitrogen™ Jump-In™ and Flip-In™ technologies for stable expression</li> <li>• Invitrogen™ BacMam reagent for transient expression</li> </ul>	<b>Invitrogen™ SelectScreen™ profiling services—biochemical</b> <ul style="list-style-type: none"> <li>• Kinase</li> <li>• Nuclear receptors</li> </ul>	
	<b>Stem cell services</b> <ul style="list-style-type: none"> <li>• Reprogramming</li> <li>• Genome editing</li> <li>• Differentiation</li> <li>• Stem cell characterization                             <ul style="list-style-type: none"> <li>– Applied Biosystems™ KaryoStat™ assay</li> <li>– PluriTest™ Analysis Tool</li> <li>– Applied Biosystems™ TaqMan® hPSC Scorecard™ Panel</li> <li>– Ion Torrent™ OncoPrint™ assays</li> <li>– Cell identification</li> <li>– Mycoplasma detection</li> </ul> </li> </ul>	<b>SelectScreen profiling services—cellular</b> <ul style="list-style-type: none"> <li>• GPCR</li> <li>• Nuclear receptors</li> </ul>	
		<b>Library screening services</b> <ul style="list-style-type: none"> <li>• Custom library screening</li> </ul>	

Find out more at [thermofisher.com/discoveryservices](http://thermofisher.com/discoveryservices)

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