

This week in techniques

Approach	Summary	Licensing status	Publication and contact information
Assays & screens			
Measuring target engagement in samples	<p>An assay to detect ligand binding in cells could be used to assess target engagement during preclinical and clinical drug development. In cell lysates and in mouse cells and tissues, the cellular thermal shift assay (CETSA) was used to monitor small molecule-induced stabilization of their protein targets by measuring shifts in protein thermal melting curves. In samples from mice, a methionine aminopeptidase 2 (MetAP2) inhibitor shifted the thermal melting curve. Next steps include developing CETSA to monitor target engagement during clinical trials to help explain responders and nonresponders and as a diagnostic tool to inform patient-specific drug selection and dosing.</p> <p><i>SciBX</i> 6(30); doi:10.1038/scibx.2013.804 Published online Aug. 8, 2013</p>	Patented; available for licensing from Pelago Bioscience AB	<p>Molina, D.M. <i>et al. Science</i>; published online July 5, 2013; doi:10.1126/science.1233606 Contact: Pär Nordlund, Karolinska Institute, Stockholm, Sweden e-mail: par.nordlund@ki.se</p>