

<p><b>Cell lab</b></p>	<p><b>Category:</b> D. In-vitro toxicity studies</p> <p><b>Institute:</b> Uppsala University (UU)</p> <p><b>Location:</b> Ångström Laboratory Lägerhyddsv. 1, Uppsala, Sweden</p> <p><b>Contact Details of Technology Expert:</b> Andreas Höss</p> <p><b>Phone:</b> +46 (0)18 471 7243</p> <p><b>E-mail:</b> andreas.hoess@angstrom.uu.se</p>
<p><b>Short Technology Description</b></p> <p>Since September 2010 the Departments of Engineering Sciences and Materials Chemistry at Uppsala University are running a common cell culture laboratory. It is located in the clean room facilities of the Ångström laboratory, which itself is a big research complex mainly housing research groups, departments and institutes covering the fields of physics, chemistry, mathematics and materials science. The lab can for example be used to asses cytotoxicity, oxidative stress, (ROS detection), inflammation (ELISA based assays) and genotoxicity of selected nanomaterials using an <i>in vitro</i> model of human blood.</p>	
<p><b>Main Features (Equipment Capabilities):</b></p> <p><i>The laboratory has standard equipment for in vitro cell cultures including:</i></p> <ul style="list-style-type: none"> <li>- 3 incubators</li> <li>- 3 Biosafety Class II cabinets</li> <li>- 2 inverted light microscopes (one equipped with fluorescence for UV, FITC and TR excitation)</li> <li>- Multiwell microplate readers performing absorbance and fluorescence measurements (filter based as well as monochromator based, for different cell viability assays, ELISA's etc.)</li> <li>- Western blot</li> <li>- Histology equipment</li> <li>- Centrifuges, autoclaves, cryostorage for cells/tissues</li> </ul> <p><i>The staff of the cell lab has many years of experience in standard procedures of culturing different cell lines and primary cells as well as their characterization regarding cell viability, morphology and functionality.</i></p>	
<p><b>Typical Samples &amp; Images:</b></p>	
<p><i>Any further Information:</i></p>	