

CeeTox[®] OcuTox

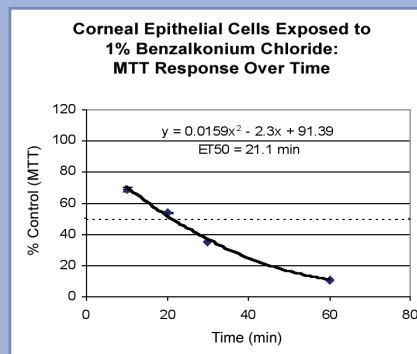
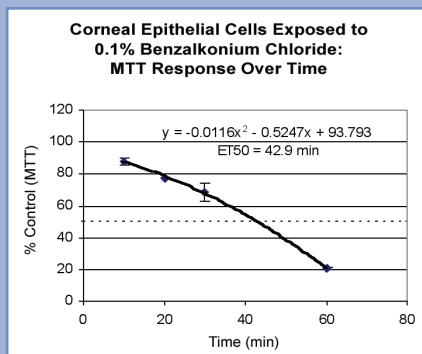
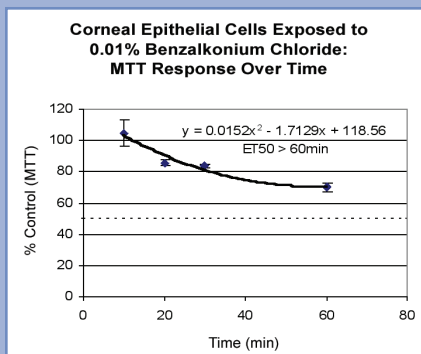
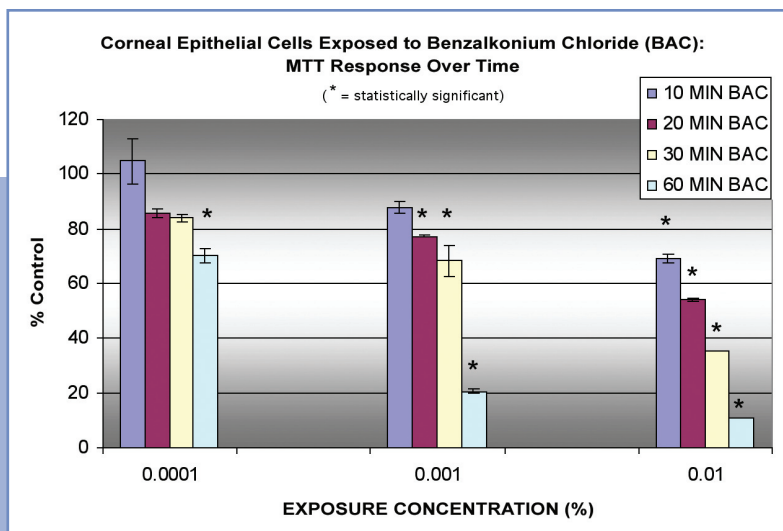
An *in vitro* screen for Ocular Toxicity, Irritation, and Custom Evaluations using a reconstructed Human Corneal Epithelium (HCE) Model

You can practice the 3Rs—refine, reduce or replace animal testing—when you choose CeeTox's **OcuTox**, an *in vitro* screen for ocular toxicity and irritation with an HCE model. CeeTox can help you achieve Amendment 7 and REACH directives and reduce the need for *in vivo* testing with **OcuTox**.

CeeTox evaluates and characterizes compounds for their potential to cause toxicity or irritation to the eye using an *in vitro* 3-D human corneal epithelium (HCE) model that is currently being tested in a pre-validation study by ECVAM. Peer-reviewed validation studies show greater than 80% concordance of *in vitro* results to the Draize eye irritation test. The HCE model ultra-structurally resembles the corneal mucosa of the human eye in both tissue morphology and thickness, and it secretes the same mucins.

CeeTox expertise is applied to all resulting data sets in a highly-detailed study report that provides interpretation and context. In pre-study consultations, our scientists take the time to understand the projects you are working on. Post-study reviews with senior scientific staff ensure perspective and understanding. CeeTox clients receive much more than just a table with numbers. With CeeTox support, you and your team can make key decisions with confidence.

Evaluation is made at multiple timepoints dictated by the suspected measure of irritation. The magnitude of viability is quantified by using MTT or other metabolically converted vital dyes. The data sets demonstrate regression analysis to determine ET50 Values using BAC, a reference compound for eye irritation as designated by European Center for Ecotox and Toxicology of chemicals.



Let CeeTox scientists become an extension of your R&D team to characterize potential liabilities associated with new molecules and identify the lead compound with the highest probability of success. Other contract labs can supply *in vitro* cytotoxicity data, but with our 10+ years of research experience and systems biology approach, only CeeTox provides an unparalleled means of interpreting the data that will enable you to make the best decisions earlier in discovery.



It's how we use the data that makes the difference.

For more information, visit www.ceetox.com or email info@ceetox.com