

IDTox™ Assay Kits To Monitor Toxicity in Mammalian SERUM Samples

- Increased sensitivity with low detection limits
- Colorimetric, end-point assay
- Expensive instruments are not required
- Highly reproducible results
- Requires only 10 µl or less of serum
- Available in visible and UV formats

These simple / user friendly tests allow for rapid, colorimetric assay of well-characterized functional markers for liver and heart directly from serum. These tests are ideal tools to monitor toxic effects caused by administration of siRNA, DNA plasmids, transfection agents or other therapeutic treatments in pre-clinical research studies.

These *in vitro* assays can be used with samples from a wide range of mammals, including mice and rats, providing a powerful tool to assess the toxicity of drug formulations and the methods used for drug delivery. The IDTox™ Assay Kits offer increased experimental continuity, and decreased cost, because multiple time points can be taken from a single animal.

Analyte	Size	Cat #	
IDTox™ Alanine Transaminase* (ALT) Enzyme Assay Kit	96 Well	SUP6001	
IDTox™ Alanine Transaminase* (ALT) Colour Endpoint Assay Kit	96 Well	SUP6001-C	<i>new</i>
IDTox™ Aspartate Transaminase* (AST) Enzyme Assay Kit	96 Well	SUP6002	
IDTox™ Alkaline Phosphatase* (AP) Enzyme Assay Kit	96 Well	SUP6003	
IDTox™ Alkaline Phosphatase* (AP) Colour Endpoint Assay Kit	96 Well	SUP6003-C	<i>new</i>
IDTox™ Lactate Dehydrogenase* (LDH) Enzyme Assay Kit	96 Well	SUP6004	
IDTox™ Bilirubin** Colorimetric Assay Kit	96 Well	SUP6005	
IDTox™ Creatine Kinase*** (CK) Enzyme Assay Kit	96 Well	SUP6007	

* Liver Specific Marker Enzyme

**Non-Enzyme Liver Marker

***Heart Specific Marker Enzyme

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For *In Vitro* Research Use Only

www.idlabs.com

Contact Customer Services at: idinfo@idlabs.com, Phone: 1- 519-434-5057 or Fax: 1-519-434-2639.

IDTox™ Cytotoxicity Assay Kits To Monitor Toxicity in Mammalian Cell Culture SUPERNATANT Samples

- Increased sensitivity with low detection limits
- Easily integrates into existing cell culture parameters
- A robust enzyme-based assay
- Expensive instruments are not required
- High compatibility across a wide range of cell lines
- Highly reproducible results & User-friendly
- Requires only 10-50 µl of supernatant sample
- Special booster reagent to enhance assay signal

These IDTox™ Kits are colorimetric, plate-based assays, which directly determine the amount of Lactate Dehydrogenase (LDH) or Aspartate Transaminase (AST) enzyme markers. These kits can be used with cultured cell supernatant samples from a wide range of mammalian cell lines. The kits use a simple, proven colorimetric (UV) enzyme assay procedure.

The IDTox™ Cytotoxicity Assay Kits can be used *in vitro* to:

- Quantify cell-mediated cytotoxicity
- Identify mediators which induce cytolysis
- Determine the cytotoxic potential of compounds
- Detect cell death in bioreactors

Analyte	Size	Cat #	
IDTox™ Aspartate Transaminase* (AST) Enzyme Assay Kit	192 Rxns	SUP6008	<i>new</i>
IDTox™ Lactate Dehydrogenase* (LDH) Enzyme Assay Kit	192 Rxns	SUP6009	<i>new</i>

* Liver Specific Marker Enzyme

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