Product Datasheet

Crystal violet Assay Kit (Cell viability) ab232855

Overview

Product name: Crystal violet Assay Kit (Cell viability)
Detection method: Colorimetric
Sample type: Adherent cells
Species reactivity: Reacts with: Other species, Mammals
Product overview: Crystal Violet Assay Kit ab232855 is used for cytotoxicity and cell viability studies with adherent cell cultures.

The assay relies on the detachment of adherent cells from cell culture plates during cell death. During the assay, dead detached cells are washed away. The remaining attached cells are stained with Crystal violet, and after a wash step, the Crystal violet dye is solubilized and measured by absorbance at 595 nm.

The amount of Crystal violet staining in the assay is directly proportional to the cell biomass. The cell biomass can be used to infer levels of cell viability / cytotoxicity.

Review our cell health assays guide to learn more about our other cell viability, cytotoxicity and cell proliferation assay kits.

Notes: Crystal violet is a triarylmethane dye that can bind to ribose type molecules such as DNA in nuclei.

Platform: Microplate reader

Properties

Storage instructions: Store at -20°C. Please refer to protocols.

<table>
<thead>
<tr>
<th>Components</th>
<th>1000 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystal violet Staining Solution</td>
<td>1 x 40ml</td>
</tr>
<tr>
<td>10X Washing Solution</td>
<td>1 x 115ml</td>
</tr>
<tr>
<td>Solubilization Solution</td>
<td>1 x 100ml</td>
</tr>
<tr>
<td>20 mM Doxorubicin</td>
<td>1 x 100μl</td>
</tr>
</tbody>
</table>
Dose-response curve of MCF7 (human breast adenocarcinoma cell line) cells to Doxorubicin for 72 hours determined by the Crystal violet Assay Kit (Cell viability) (ab232855).

Dose-response curve of HepG2 (human liver hepatocellular carcinoma cell line) cells to Doxorubicin for 72 hours determined by the Crystal violet staining assay. Assays were performed according to the kit protocol in triplicate.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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