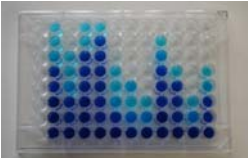


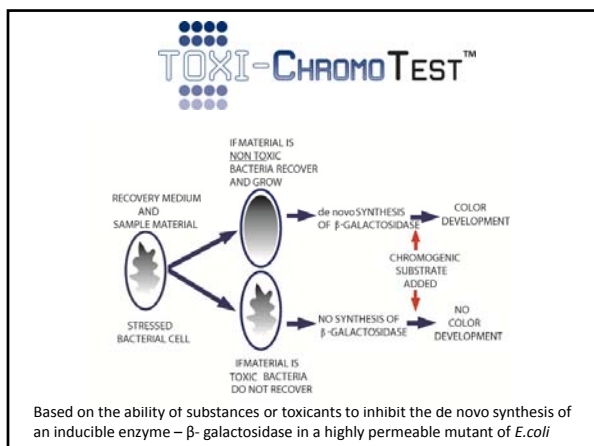
The Toxi-ChromoTest is a rapid bacterial-based colorimetric bioassay for the detection of acute or chronic toxicity.

The test provides a colorimetric endpoint through which the presence of toxic materials can be determined.

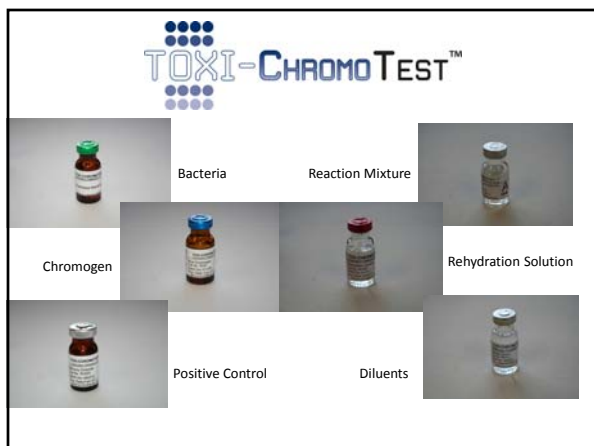
The test can be read either visually or by the use of a plate reader for increased accuracy.




The image shows a microplate with a grid of wells. The wells contain a liquid that has turned a light blue color, indicating a positive result for toxicity.







TOXI-CHROMO TEST™



Samples for screening
(Not included in kit)

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Remove all caps from 1 set of the components

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Add 100ul of Reaction Mixture to each well of Column 1
This Column will be used as a Machine Blank

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Dispense 100 μ l of diluent from bottle G to all wells in which the samples are to be tested.
Except wells A2 through A12 where a 100% test solutions will be screened.


TOXI-CHROMO TEST™



- Dispense 200 μ l of the standard toxicant (Bottle D) into the first well of Column 2
- Perform a serial dilution down the Column to well 2G. Remove 100 μ l of the mixed solution and discard.




- Obtain Samples to be tested
- Add 200 μ l of test material to the wells that will be screened at 100%



- Perform serial dilutions on the test materials


TOXI-CHROMO TEST™

Rehydrate 1 vial of Bacteria using the one vial of Rehydration Solution




NOTE: This should be done 15 minutes prior to the following step

TOXI-CHROMO TEST™



After 15 minutes; transfer 1ml of the bacterial suspension (now in Bottle B) into the Reaction Mixture Bottle A

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Dispense 100ul from Bottle A into each well of Columns 2 through 12

TOXI-CHROMO TEST™

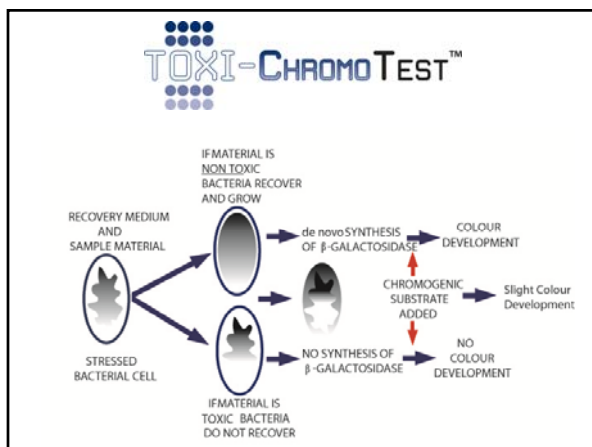


Incubate the micro plate at 37 degrees Celsius for 90 minutes.

TOXI-CHROMO TEST™




Place a vial of Chromogen into the incubator to warm during the 90 minute incubation.



TOXI-CHROMO TEST™

After the 90 Minute Incubation Period



Add 100ul of Bottle F to all wells in the plate



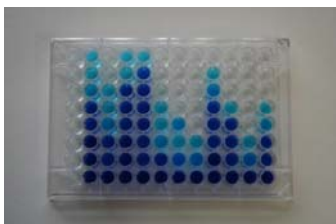
Place the micro plate which now contains the chromogen into the incubator at 37 degrees Celsius for 90 minutes.



Notes of Interest

The first incubation is a biological reaction between the bacteria, sample materials, as well as the positive control.

The second incubation period is a chemical reaction. This can be performed at either 37 degrees Celsius or up to 65 degrees Celsius for faster colour development.



After the final incubation period, remove the plate and score either visually or with a plate reader
