

## What is the LD50 test?

LD50 stands for lethal dose, 50%. The test, which was designed in 1927, involves giving animals increasing doses of a chemical or substance until half them are dead.



## How many animals are used and which species?

In Britain more than 11,000 animals are used every year, and globally millions of animals are used in this almost 100-year-old test. These are most often mice and rats, but guinea pigs and rabbits are also used.



## What symptoms do they suffer?

Animals used in the LD50 suffer symptoms such as 'tremors, convulsions, swellings, bleeding from the mouth and nose, bulging eyeballs and difficulty with breathing'.



## What does the test tell us?

All the LD50 tells us is how the animals will react, not what is safe for humans in realistic situations. The differences between species are one of the reasons why animal experiments do not provide data which is reliably translated to humans. Most people adore eating chocolate, but it can be fatal to dogs, and yet dogs are used in toxicity testing.



## Why should the test be banned?

It has always been scientifically questionable and extremely cruel. Now there's a much better, human-relevant and non-animal test.

**[animalaid.org.uk/EndLethalDoseTests](http://animalaid.org.uk/EndLethalDoseTests)**





## WHAT IS THE NEW METHOD CALLED?

AcutoX!

## WHAT DOES IT DO?

AcutoX measures toxicity by observing human cells and their behaviour when they are exposed to increasing doses of chemicals. The more toxic the chemical, the more damaged the cells are. The level of cell damage is measured, and the toxicity of the chemical is calculated

## WHY IS IT BETTER?

AcutoX uses human cells with absolutely no animal ingredients. This means it is completely relevant to humans and 100% cruelty free!

## WHERE CAN I FIND MORE INFORMATION?

Visit [animalaid.org.uk/EndLethalDoseTests](https://animalaid.org.uk/EndLethalDoseTests)

**HELP US END LETHAL DOSE  
ANIMAL TESTS IT'S TIME  
FOR BETTER SCIENCE!**



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