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The invention relates to methods for estimating the toxicity of chemicals.

The method, according to the invention, comprises the preparation of the *Paramecium caudatum* culture, addition to the test samples of the tested chemicals in various concentrations, incubation of the test and control samples, addition of the dye 3-amino-7-dimethylamino-2-methylphenazine hydrochloride, incubation followed by addition of the formalin solution, centrifugation of samples, removal of supernatant, addition of sodium hydroxide solution, determination of absorption with a spectrophotometer, afterwards is calculated the percentage of live paramecia and is determined the lethal concentration (LC₅₀), at the same time the lower the LC₅₀ concentration value, the higher the toxicity of the tested chemical.

Claims: 1

Fig.: 1