



AGAROSE



Title	Assessment of the irritant potential of a test element by determination of the cytotoxicity after diffusion on agarose gel
Reference	Adapted from Combrier E. and Castelli D. («the Agarose Overlay method as a screening approach for ocular irritancy: Application to cosmetic products» Atla. 20, 438-444, 1992). Published in the Official Journal of the French Republic of December 30, 1999.
Objective	To assess quantitatively the cytotoxicity of a test element
Test system	Mouse lung fibroblasts – NCTC L 929
Schedule	Duration of the study: 3 days Beginning: 1 week upon receipt of the sample Report: 2-3 weeks after the end of the study
Quantity	2 x 20 g
Methodology	Determination of the cytotoxicity by appreciation of the mean diameter of the area of cell lysis revealed by staining the living cells with a vital dye MTT after application for 24 h of the test element to the surface of an agarose gel in contact with cells
Procedure	D-1: <ul style="list-style-type: none">• Cells seeding D1 : <ul style="list-style-type: none">• Preparation of the agarose gel and the test element• Contact of the gel with cells• Application of the test element D2 : <ul style="list-style-type: none">• Revelation of the cytotoxicity• Reading