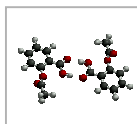


<http://www.vigicell.eu>

Evaluation of Genotoxicity, Cancerogenicity & Mutagenicity

From exposure to analysis : a full package of know-how, means, technical resources and skills

11/07/2008



Candidate substances



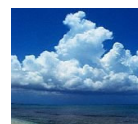
Marketed products: pharmaceutical, cosmetic, alimentary, pesticide, etc.



Materials & biomaterials



Radiation



Natural & work environment



1 Choosing models or biological materials

A set of experimental protocols might be adaptable to your objective according to the problem encountered: biological materials/models, methods and administration/exposure pathway, etc

in vitro

in vivo (animal)

in vivo (humain)

2 Observations

According to the problem, the biological materials or models applied for the observations might be :

- **Ames Test**
- **Comet Assay** (*imaging cytometry*)
- **Micronucleus Test**
- **DNA adducts** (*P32 post-labelling*)
- **DNA fragmentation** (*TUNEL*)
- **DNA denaturation index** (*chromomycin, aniline blue*)
- **Aneuploidy analysis** (*FISH*)
- **Karyotype / chromosomal aberrations** (number and structure anomaly)
- **Molecular karyotyping** (genomic chip –low or high resolutions)
- **Mutation & fragmentation analysis** (*PCR & sequence*)
- **Expression profile analysis** (*chip expression*)
- **Tumorigenicity** (*hetero- and orthotopic xenografts in immunosuppressed rats and mice*)

Tailor made R&D – Experimental servicing – Screening & biomonitoring – Risks

Contact us to learn more about all our activities and services