

Work package 6: In vitro methods for genotoxicity

The objectives of the work package are the following:

In order to complete the results obtained on in vitro models, in vivo genotoxicity testing for selected MNs will be performed. Both oral and instillation routes of exposure will be considered.

In vivo genotoxicity data will be obtained mainly from comet and micronucleus tests. Correlation between in vivo and in vitro results will be assessed taking into account the kinetic results.

Work progress

According to the schedule of the Joint Action, the WP6 will begin at month 20 (November 2011). This first year was used for discussions to establish a “state of the art” on how the genotoxicity protocols are usually run in the different laboratories involved and to agree on several points of the protocols. WP6 also follows the work of WP7 in order to consider upcoming concerns and their solutions.

Deliverables:

Characterisation of MNs for their clastogenic/aneugenic effects or DNA damage potentials and correlation analysis.

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