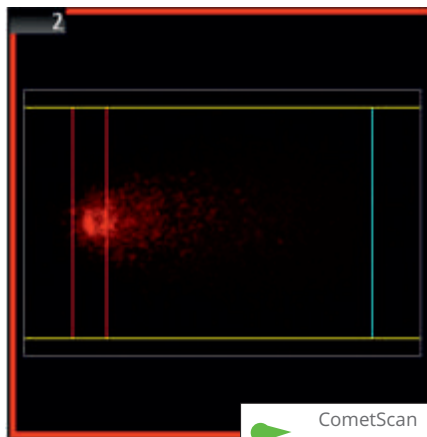


# Metafer

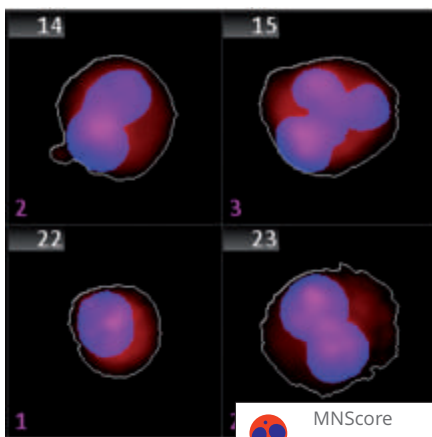
Standardized  
Genetox Analysis



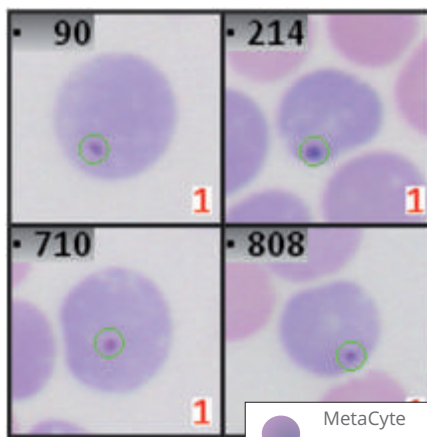
MSearch  
CA Assay



CometScan  
Comet Assay



MNScore  
*in vitro* Micronuc.



MetaCyte  
*in vivo* Micronuc.

Standardization is a highly important goal in the design of pre-clinical toxicology tests. The slide scanning platform Metafer has proven to be the most versatile and reliable tool to automate the analysis of OECD compliant tests like the erythrocyte micronucleus test (#474, 1997), the *in vitro* micronucleus test (#487, 2004), the *in vivo* mammalian alkaline comet assay (#489, 2014), and the chromosome aberration test (#473, 1997).

In addition to the assays above Metafer also provides other modules, e.g. for the Ames II test, the digitization of tissue sections, and more.

# TOXICOLOGY

## References

Metafer users publish their results in many peer-reviewed journals, and Metafer as a system for toxicology automation has been subject to several studies. Please find below a list of recent citations of studies performed with Metafer in toxicology studies and research.

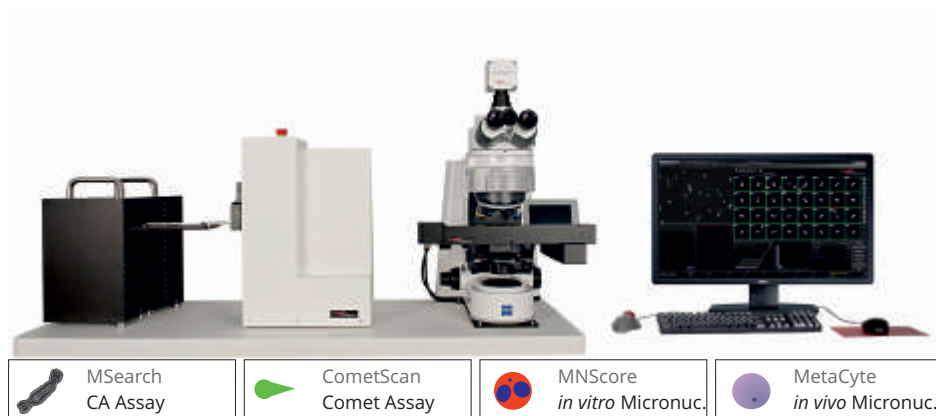
Oxidative stress and chromosomal aberrations in an environmentally exposed population. *P. Rossner et al., Mutat.Res. 707(2011).*

Critical issues with the *in vivo* comet assay: A report of the comet assay working group in the 6th International Workshop on Genotoxicity Testing (IWGT). *G. Speit et al., Mutat.Res. 783(2015).*

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Assessment of the Genotoxic Potential of Azidothymidine in the Comet, Micronucleus, and Pig-a Assay. *M. Guérard et al., Tox.Sci. 135(2013).*



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