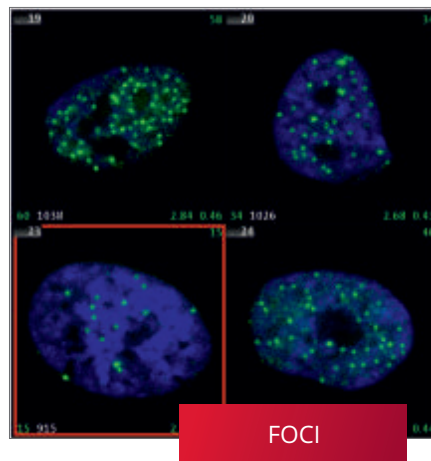
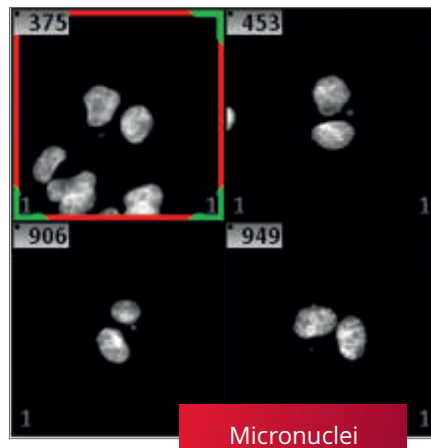
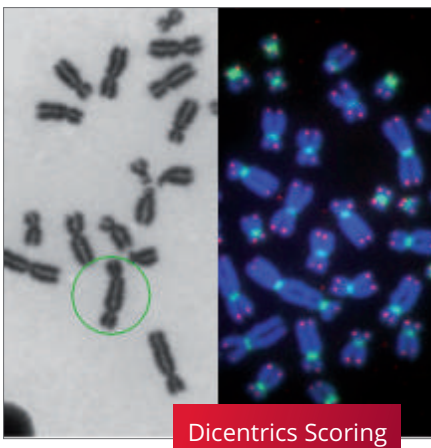


Metafer

Standardized and Automated Analysis of Bio-Dosimetry Assays



There is consensus that forming international scientific bio-dosimetry networks is an important element of preparedness to radiation accidents.

However, though many bio-dosimetry assays are well defined from a scientific point of view, sample analysis often is not. This impedes comparisons of results and the definition of global bio-dosimetry standards.

The slide scanning platform Metafer closes this gap by assessing all relevant bio-dosimetry assays automatically, reliably, extremely fast, and in an easy to standardize manner.

BIO-DOSIMETRY

Metafer Bio-Dosimetry Projects

Many members of bio-dosimetry networks use Metafer to standardize their microscope based analysis tasks and to exchange results between the partner institutes. Below is a list of the latest publications of project results obtained with Metafer.

- Integration of new biological and physical retrospective dosimetry methods into EU emergency response plans - joint RENEB and EURADOS inter-laboratory comparisons. *E. Ainsbury et al., Int. J. Radiat. Biol. 93(2017).*
- The second gamma-H2AX assay inter-comparison exercise carried out in the framework of the European biodosimetry network (RENEB). *J. Moquet et al., Int. J. Radiat. Biol. 93(2017).*
- RENEB intercomparison exercises analyzing micronuclei (Cytokinesis-block Micronucleus Assay). *J. Depuydt et al., Int. J. Radiat. Biol. 93(2017).*
- Chromosome aberrations in Japanese fishermen exposed to fallout radiation 420-1200~km distant from the nuclear explosion test site at Bikini Atoll: report 60~years after the incident. *K. Tanaka et al., Rad. Env. Physics 55 (2016).*

The logo for MetaSystems, featuring the company name in white text on a red rectangular background.

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