

# OECD 474: *In vivo* Micronucleus Assay

An additional offering from Gentronix is the OECD 474 rodent micronucleus assay, which **allows the testing of clastogenicity and aneugenicity *in vivo***. The *in vivo* micronucleus assay is the **most commonly used *in vivo* genotoxicity study type** (e.g. pharmaceutical and agrochemical active ingredient registrations) and is **typically used as a follow-up** for *in vitro* micronucleus or *in vitro* chromosome aberration positives, to **determine if the observed *in vitro* activity is expressed *in vivo***.

Working within the facilities at Alderley Park, Gentronix is **able to deliver guideline compliant GLP *in vivo* micronucleus studies**. Together with GLP compliant partners, analytical services to demonstrate systemic exposure and test item formulation analysis can also be provided.

Our study director and team have **many years' previous experience** with rodent micronucleus studies.

<b>Test species and strain</b>	Wistar Han rat
<b>OECD guideline</b>	474
<b>Dosing regime</b>	2 doses, 24 hours apart
<b>Scoring</b>	Bone marrow (slide scored)
<b>Formulation Analysis &amp; Proof of Exposure</b>	Available upon request
<b>Endpoint</b>	<i>In vivo</i> structural and numerical chromosomal damage

Utilise this test for your toxicology screening needs and talk to our Tox Team at **+44(0) 1625 238700** or email at **info@gentronix.co.uk**