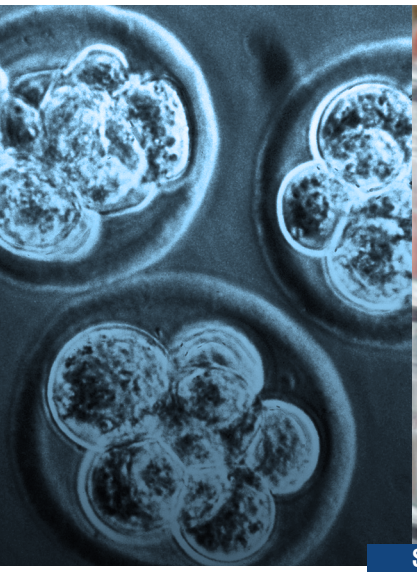
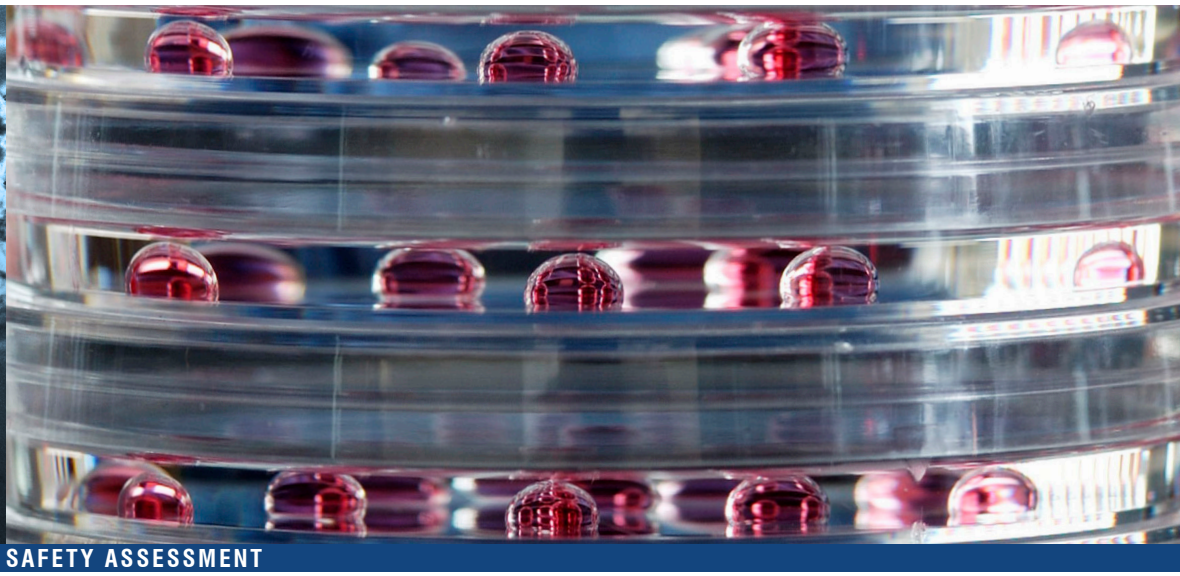
charles river





SAFETY ASSESSMENT

Developmental and Reproductive Toxicology for Chemical Products

Species

- Ferret
- Hamster
- Guinea pig
- Minipig
- Transgenic strains
- Zebrafish

Charles River provides a comprehensive service in developmental and reproductive toxicology (DART) for chemicals including pesticides, food additives and various consumer products.

Our scientific expertise in this highly specialized discipline combines with a range of in-house capabilities to deliver timely nonclinical reproductive toxicology programs with regulatory acceptance. We conduct all standard OECD/EPA guideline studies for developmental toxicity, multigenerational toxicity, adult and developmental neurotoxicity, adult and developmental immunotoxicity, and endocrine disruptor evaluations including Hershberger, pubertal and uterine weight assays.

Mammalian Developmental and Reproductive Toxicology

Charles River has performed specialty reproductive and developmental toxicology studies for international product registration more than 40 years, and our staff of scientists specializing in this field is the largest in the contract research industry. We conduct studies in multiple mammalian species using both routine and specialty routes of dose administration and measuring multiple endpoints (e.g., reproductive, immunological, endocrine, etc.).

If and when screening tests identify potential hazards, we can further evaluate findings with a full range of investigative studies. We can also schedule and conduct multiple OECD 443 extended one-generation studies simultaneously, examining the effects of compounds in up to 1,200 pups at a time.

Our extensive historical control database is a critical component of our DART portfolio. The database supports studies with data collected from the same sources of rodents and rabbits for over twenty years, as well as with endpoints that have been evaluated in nonrodents. We maintain and present this data in an agency-preferred format on a cumulative basis.