

Table 3: Draft new and updated OECD Test Guidelines Included in the Rolling Work-Plan, with 3R Relevance

TG	Title	Project	3R relevance
2xx	Fish Embryo Toxicity Test (FET)	Draft new Test Guideline	Embryo test introducing reduction and refinement compared with the existing Acute Fish Test TG 203. Under validation.
412	Repeated Dose Inhalation Toxicity: 28/14-Day Study	Draft updated Test Guideline (Original adoption: 12 May 1981)	Animal test presently under revision, providing more information from the same animal than in the original test method. Approved by WNT21 in May 2009 and will be sent to JM/EPOC and Council for final adoption.
413	Subchronic Inhalation Toxicity: 90-Day Study	Draft updated Test Guideline (Original adoption: 12 May 1981)	Animal test presently under revision, providing more information from the same animal than in the original test method. Approved by WNT21 in May 2009 and will be sent to JM/EPOC and Council for final adoption.
436	Acute Inhalation Toxicity: Acute Toxic Class (ATC) Method	Draft new Test Guideline	Animal test introducing reduction in animal usage compared to TG 403. Approved by WNT21 in May 2009 and will be sent to JM/EPOC and Council for final adoption.
451	Carcinogenicity Studies	Draft updated Test Guideline (Original adoption: 12 May 1981)	Animal test. Approved by WNT21 in May 2009 and will be sent to JM/EPOC and Council for final adoption. A Guidance Document is under development addressing issues on reduction and refinement.
452	Chronic Toxicity Studies	Draft updated Test Guideline (Original adoption: 12 May 1981)	Animal test. Approved by WNT21 in May 2009 and will be sent to JM/EPOC and Council for final adoption. A Guidance Document is under development addressing issues on reduction and refinement.
453	Combined Chronic toxicity/Carcinogenicity Studies	Draft updated Test Guideline (Original adoption: 12 May 1981)	Animal test. Approved by WNT21 in May 2009 and will be sent to JM/EPOC and Council for final adoption. A Guidance Document is under development addressing issues on reduction and refinement.
4xx	Extended One-Generation Reproduction Toxicity Study	Draft new Test Guideline	Animal test. An extended one-generation test as a possible reduction alternative to TG 416 (2 generation test) is under development.
4xx	In Vitro SHE Cell Transformation Test	Draft new Test Guideline	A possible reduction method if used in a testing strategy
4xx	In Vitro BALB/C3T3 Cell Transformation Test	Draft new Test Guideline	A possible reduction method if used in a testing strategy

487	<i>In Vitro</i> Mammalian Cell Micronucleus Test	Draft new Test Guideline	<i>Provisionally adopted</i> by WNT 20 in April 2008. <i>In vitro</i> test (part of a test battery, it does not fully replace the <i>in vivo</i> TG 474 test), awaits outcome of additional testing.
455	The Stably Transfected Human Estrogen Receptor- α Transcriptional Activation Assay for Detection of Estrogenic Agonist-Activity of Chemicals	Draft new Test Guideline	Approved by WNT21 in May 2009 and will be sent to JM/EPOC and Council for final adoption. <i>In vitro</i> test (could possibly introduce reduction if used in a testing strategy for detection of endocrine disrupting chemicals).
4xx	TG for a Stably Transfected Transcriptional Activation (STTA) Assay for the Detection of Estrogen Receptor Agonists and Antagonists (LUMI-CELL® ER assay)	Draft new Test Guideline	<i>In vitro</i> test that could possibly introduce reduction in animal usage if used in a testing strategy for detection of endocrine disrupting chemicals
4xx	TG for human recombinant estrogen receptor alpha binding assays (hrER α , 2 protocols)	Draft new Test Guideline	<i>In vitro</i> test that could possibly introduce reduction in animal usage if used in a testing strategy for detection of endocrine disrupting chemicals
4xx	TG for the H295R Cell-Based Steroidogenesis Assay	Draft new Test Guideline	<i>In vitro</i> test that could possibly introduce reduction in animal usage if used in a testing strategy for detection of endocrine disrupting chemicals
4xx	TG for a Stably Transfected Transcriptional Activation (STTA) Assay for the Detection of Androgenic and Anti-Androgenic Activity of Chemicals	Draft new Test Guideline	<i>In vitro</i> test that could possibly introduce reduction in animal usage if used in a testing strategy for detection of endocrine disrupting chemicals
4xx	TG for a Stably Transfected Transcriptional Activation (STTA) Assay for the Detection of Anti-Estrogenic Activity of Chemicals	Draft new Test Guideline	<i>In vitro</i> test that could possibly introduce reduction in animal usage if used in a testing strategy for detection of endocrine disrupting chemicals
4xx	In Vitro Skin Irritation Test Guideline with a Reconstructed Human Epidermis Model	Draft new Test Guideline	Could be used as an <i>in vitro</i> test in the sequential testing strategy of TG 404, under development.
4xx	Test Guideline for the Comet <i>in vitro</i> Assay in Genotoxicity Testing	Draft new Test Guideline	<i>In vitro</i> test for unscheduled DNA synthesis assay (to be a part of a test strategy)
438	Isolated Chicken Eye (ICE) Test Method: an <i>In Vitro</i> Method for Identifying Ocular Corrosives and Severe Irritants	Draft new Test Guideline	Approved by WNT21 in April 2009 and will be sent to JM/EPOC and Council for final adoption. An <i>in vitro</i> screening test for identifying potential ocular corrosives and severe irritants in a tiered-testing strategy, as part of a weight-of-evidence approach.
437	Bovine Corneal Opacity and Permeability (BCOP) Test	Draft new Test	Approved by WNT21 in April 2009 and will be sent to JM and Council for final adoption. An <i>in vitro</i>

	Method: an In Vitro Method for Identifying Ocular Corrosives and severe Irritants	Guideline	screening test for identifying potential ocular corrosives and severe irritants in a tiered-testing strategy, as part of a weight-of-evidence approach.
429	Skin Sensitisation: Local Lymph Node Assay	Draft updated Test Guideline (Original adoption: 24 April 2002)	Revision of TG429 is underway possibly introducing reduction of animal usage.
xx	Using Cytotoxicity Tests to estimate Starting Doses for Acute Oral Systemic Toxicity Tests	Draft new Guidance Document	Guidance Document under development possibly introducing reduction of animal usage in acute toxicity testing.