

# Recap of OECD WNT - 34

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# Summary of the OECD WNT-34

- ▶ Organization for Economic Cooperation and Development (OECD)
  - ▶ Working Party for the Test Guideline Program (WNT) Meeting was held hybrid April 26-29, 2022.
- ▶ Meeting highlights
  - ▶ Added 20 new Standard Proposal Submission Form (SPSF)
  - ▶ Approved 16 Items: Test Guidelines, Guidance Documents, Detailed Review Reports
  - ▶ US Led/co-Led activities on 5 SPSFs and 3 Test Guidelines

# Approved SPSF Project Proposals - 1

No.	Title	Lead
1	Sediment-Water Amphipod ( <i>Hyalella azteca</i> ) Toxicity Test Using Spiked Sediment	JP/FR
2	Revision of TG 218/219 sediment-water Chironomus test using spiked-sediment or spiked-water	DE/CH
3	Revision of GD 75 on Honey Bee ( <i>Apis mellifera</i> L.) Brood test under semi-field conditions	DE/CH
4	Revision of GD 317 on Aquatic and Sediment Toxicological Testing of Nanomaterials to provide further guidance on conducting assays with manufactured nanomaterials according to OECD Test Guidelines 201, 202, and 203	FR/SP
5	Guidance Document on Integrated in vitro Approach for Intestinal Fate of Orally Ingested Nanomaterials	IT
6	OptiSafe™ Macromolecular Eye Irritation Test	US
7	Eye hazard identification: Defined Approach for Surfactants	FR
8	Substitution of “Me-Too” Information Sources into Defined Approaches for Skin Sensitization within OECD Guideline 497	US
9	Feasibility Study on Inclusion of the Skin Allergy Risk Assessment (SARA) Model into OECD Guideline 497 on Defined Approaches for Skin Sensitization	US/UK
10	Epidermal Sensitization Assay (EpiSensA): An In Vitro Method for Identifying the Skin Sensitization Potential of Chemicals	JP

# Approved SPSF Project Proposals - 2

No.	Title	Lead
11	Support of the review of data supporting the use of the LLNA BrdU ELISA method for UN GHS classification for skin sensitization	JP/ OECD
12	Use of an interleukin-2 luciferase lymphotoxicity test for identifying the immunotoxic potential of chemicals that is caused by anti-proliferative effects	JP
13	In vivo mammalian comet assay (TG 489) on gonadal cells to study germ cell specific genotoxic effects	NO/DK
14	Support the work on the criteria for UNGHS classification for germ cell mutagenicity	ECJRC/ OECD
15	TG 456 Correction for Data Interpretation Procedure clarifications to improve accuracy and relevance of the positive and negative calls	UK/ OECD
16	TG 456 Enhancement for LCMS/MS based steroidogenesis profiling-enhancement	FR
17	Stably transfected human glucocorticoid receptor hGR transcriptional activation assay for detection of agonistic and antagonist activity of chemicals towards hGR	FR/CA
18	Development of a Test Guideline based on the hPlacentox method for endocrine disruptors effect assessment on human placental model	FR
19	DRP on methods and feasibility assessment to enable inclusion of mammary gland whole mount collection and evaluations	DK (US)
20	Revision of TG 240 Medaka Extended One Generation Reproduction Test (MEOGRT)	JP/US

# Test Guidelines - Aquatic

- ▶ New TG on the Determination of the Volume Specific Surface Area of Manufactured Nanomaterials (VSSA)
- ▶ New TG on Nanomaterials Particle Size and Size Distribution and validation report
- ▶ New TG on Rapid Androgen Disruption Activity Reporter (RADAR) Assay and validation report
- ▶ New TG on Anaerobic Transformation of Chemicals in Liquid Manure

\* = US led/co-led project

# Test Guidelines - Skin/Eye

- ▶ New TG on Defined Approaches for Serious Eye Damage/Eye Irritation and supporting document
- ▶ Updated TG 492B on Reconstructed Human Corneal Epithelium (RhCE) for Eye Hazard Identification and peer-review report
- ▶ \* Performance Standards TG 498 for “Me-too” *in vitro* methods on Phototoxicity testing using Reconstructed Human Epidermis (RhE)
- ▶ Updated Guidance Notes 156 on Dermal Absorption
- ▶ Updated TG 442E on the Genomic Allergen Rapid Detection (GARD) Skin method and supporting document endorsed for declassification
- ▶ Updated TG 442C Amino Acid Derivative Reactivity Assay (ADRA), validation report and Performance Standards

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# Other approved documents

- ▶ Updated TG 488 on Transgenic Rodent Assay
- ▶ \* New TG on Mammalian Erythrocyte Pig-a Gene Mutation Assay
- ▶ \* Detailed Review Paper on the Miniaturized Versions of the Bacterial Reverse Gene Mutation (mini-Ames) Test
- ▶ Detailed Review Paper on *in vitro* Immunotoxicity, focused on immunosuppression
- ▶ Study Report and Preliminary Guidance on adaptations of the Micronucleus Assay TG 487 for Nanomaterials Safety Testing
- ▶ Corrected TGs 117, 123, 406, 442D, TG 456

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# Other updates

- ▶ \*Agreed on the plan for the newly established Thyroid Disruption Methods Expert Group
- ▶ Announced new OECD Omics Reporting Framework (OORF)  
<https://www.oecd.org/fr/securitechimique/essais/omics.htm>
- ▶ WNT to discuss any adaptations needed to the Test Guideline Program for the uptake on emerging technologies

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Questions?

