

# Endocrine Disruption Testing



		Estrogen	Androgen	Thyroid	Steroidogenic	Validation status	Timeline
<b>Level 1</b>		<b>Preliminary or existing data review</b>					
<i>Please see guide to tests offered</i>	Physical Chemistry tests					Current	Available
<i>Please see guide to tests offered</i>	Ecotoxicology tests - acute and chronic					Current	Available
<b>Level 2</b>		<b>In Vitro Data</b>					
<b>Level 3</b>		<b>In Vivo Data (tests supporting mechanisms and pathways)</b>					
Related to: OECD GD 148	RADAR assay: Medaka larvae androgenic signalling assay (spiggin gene)		Y			Pending	Late 2024/25
Related to: OECD GD 229/230	REACTIV assay: Medaka larvae estrogenic signalling assay (chorlogenine gene)	Y				Pending	Late 2024/25
OECD 248	XETA ASSAY: Xenopus embryo thyroid signalling assay(Th/bZIP gene)			Y		Pending	Late 2024/25
OECD 229	Fish short-term reproduction assay	Y	Y		Y	Current	Available
OECD 230	21 day fish assay	Y	Y		Y	Current	Available
OECD 231	Amphibian metamorphosis assay: AMA			Y		In process	Aug/Sept 2024
OECD 231-ext	Extended - Amphibian metamorphosis assay: AMA-ext			Y		In process	Aug/Sept 2024
<b>Level 4</b>		<b>In Vivo Data (tests supporting specific endocrine endpoints)</b>					
OECD 241	Larval amphibian Growth and Development assay (LAGDA)	Y	Y	Y	Y	In process	Late 2024/25
OECD 210	Fish early life stage toxicity test (FELS)					Current	Available
OECD 211	<i>Daphnia magna</i> reproduction test					Current	Available
OECD 218/219	Chironomid toxicity test using spiked sediment/water					Current	Available
OECD 222	Earthworm ( <i>Eisenia fetida</i> ) reproduction test					Current	Available
OECD 225	<i>Lumbriculus</i> toxicity test using spiked sediment					Current	Available
OECD 234	Fish sexual development test (FSDT)	Y	Y		Y	Current	Available
OECD 243	<i>Lymnaea stagnalis</i> reproduction test					Current	Available
<b>Level 5</b>		<b>In Vivo Data (additional testing of specific endocrine endpoints)</b>					
OECD 240	Medaka extended one generation reproductive toxicity study (MEOGRT)	Y	Y		Y	Pending	TBD
OECD ZEOGRT	Zebrafish extended one generation reproductive toxicity study (ZEOGRT)	Y	Y		Y	In process	Available
OECD Daphnia multi-gen	Daphnia multi-generational test to assess endocrine - active chemicals					Current	Available
OPPTS 850.1500	Fish life cycle toxicity test (FLCTT)	Y	Y		Y	Current	Available



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