

# Endocrine Disruption Testing



		Estrogen	Androgen	Thyroid	Steroidogenic	Validation status	Timeline
<b>Level 3</b>		<i>In Vivo Data (tests supporting mechanisms and pathways)</i>					
	RADAR assay: Medaka larvae androgenic signalling assay (spiggin gene)		Y			TBD	TBD
	REACTIV assay: Medaka larvae estrogenic signalling assay (chorlogenine gene)	Y				TBD	TBD
OECD 248	XETA ASSAY: Xenopus embryo thyroid signalling assay(Th/bZIP gene)			Y		TBD	TBD
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		Current	Available
OECD 231-ext	Extended - Amphibian metamorphosis assay: AMA-ext			Y		Current	Available
<b>Level 4</b>		<i>In Vivo Data (tests supporting specific endocrine endpoints)</i>					
OECD 241	Larval amphibian Growth and Development assay (LAGDA)	Y	Y	Y	Y	Validating	TBD
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 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
OECD 242	<i>Potamopyrgus antipodarum</i> reproduction test					Current	Available
<b>Level 5</b>		<i>In Vivo Data (additional testing of specific endocrine endpoints)</i>					
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	Current	Available
OECD Daphnia multi-gen	Daphnia multi-generational test to assess endocrine - active chemicals					Current	Available
OECD 233	Sediment Water Chironomid Life Cycle Toxicity Test					Current	Available
OPPTS 850.1500	Fish life cycle toxicity test (FLCTT)	Y	Y		Y	Current	Available

