

**Table 1. EDSP Tier 1 screening assays.**

Screening Assay	Test Guideline	Receptor Binding				Steroidogenesis		HPG Axis	HPT Axis
		E	Anti-E	A	Anti-A	E	A		
<b>In vitro assays</b>									
ER Binding (rat uterine cytosol)	OCSPP 890.1250	■	■						
ER $\alpha$ Transcriptional Activation	OCSPP 890.1300 (OECD TG 455)	■							
AR Binding (rat prostate cytosol)	OCSPP 890.1150			■	■				
Steroidogenesis (H295R)	OCSPP 890.1500					■	■		
Aromatase	OCSPP 890.1200					■			
<b>In vivo assays</b>									
Uterotrophic (rat)	OCSPP 890.1600 (OECD TG 440)	■							
Hershberger (rat)	OCSPP 890.1400 (OECD TG 441)			■	■		■ <sup>1</sup>		
Pubertal male (rat)	OCSPP 890.1500			■	■		■	■	■
Pubertal female (rat)	OCSPP 890.1450	■	■			■		■	■
Fish short-term reproduction	OCSPP 890.1350 (OECD TG 229)	■	■	■		■	■	■	
Amphibian metamorphosis (frog)	OCSPP 890.1110 (OECD TG 231)								■

E = estrogen; A = androgen

HPG = hypothalamic pituitary gonadal (axis)

HPT = hypothalamic pituitary thyroid (axis)

<sup>1</sup> 5 $\alpha$ -reductase inhibition only

**Table 2. Hormone systems evaluated in EDSP Tier 2 Tests or additional tests.**

Tier 2 Tests and Additional Tests	Test Guideline	E and	A and	Steroidogenesis		HPG Axis	HPT Axis
		Anti-E	Anti-A	E and A			
Reproduction and Fertility Effects (i.e., Two-generation reproduction toxicity study (Rat))	OSCPP 870.3800 (OECD TG 416)	■	■	■	■	■	
Extended One-Generation Reproductive Toxicity Study (Rat)	OECD TG 443	■	■	■	■	■	■
Comparative Thyroid Assay (CTA)	Non-guideline (EPA, 2005)						■
Avian Two-Generation Toxicity Test in the Japanese Quail (OCSPP 890.2100)	OCSPP 890.2100	■	■	■	■	■	
Medaka Extended One Generation Reproduction Test (MEOGRT) (Fish)	OSCPP 890.2200	■	■	■	■	■	
Larval Amphibian Growth and Development Assay (LAGDA) (Frog)	OCSPP 890.2300						■

E = estrogen; A = androgen

HPG = hypothalamic pituitary gonadal (axis)

HPT = hypothalamic pituitary thyroid (axis)

For additional information on these study protocols, please see [here](#).