



CLOVERSTRATEGY LIST OF LABORATORY TESTS

AQUATIC PRIMARY PRODUCERS

GLP

Non GLP

Freshwater algae and cyanobacteria, growth inhibition test (OECD 201, ISO 8692, DIN 38412-L33)

Green algae: *Desmodesmus subspicatus* and *Pseudokirchneriella subcapitata*

Blue Green algae: *Anabaena flos-aquae*

Diatoms: *Navicula pelliculosa*



Higher aquatic plants

Lemna sp., growth inhibition test (OECD 221, ISO 20079)



AQUATIC INVERTEBRATES

GLP

Non GLP

Crustaceans

Daphnia magna, acute immobilisation test (OECD 202, ISO 6341, DIN 38412-L30)



Daphnia magna, reproduction test (OECD 211, ISO 10706)



Chironomus sp., acute immobilisation test (OECD 235)



Thamnocephalus platyurus, 24h mortality test (ISO 14280)



Ceriodaphnia dubia, 24h mortality test (USEPA method 1002.0)



Artemia franciscana, 24h mortality test (ASTM E1440-91)



Heterocypris incongruens, 6 days mortality and growth inhibition test (ISO 14371)



Thamnocephalus platyurus, 30-60 min particle ingestion inhibition test (ISO 14380)





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AQUATIC INVERTEBRATES	GLP	Non GLP
Rotifers		
<i>Brachionus calyciflorus</i> , 24h mortality test (ISO 19827)		✓
<i>Brachionus calyciflorus</i> , 48h reproduction inhibition test (ISO 20666)		✓
<i>Brachionus plicatilis</i> , 24-48h mortality test (ISO 19820)		✓
Bacteria		
<i>Vibrio fischeri</i> , 30 min luminescence inhibition test (SMEWW 9278 VIBRIO)		✓
Oligochaetes		
Bioaccumulation in Sediment-dwelling Benthic Oligochaetes (<i>Tubifex tubifex</i>) (OECD 315)	✓	✓
TERRESTRIAL INVERTEBRATES	GLP	Non GLP
Earthworm acute toxicity test (OECD 207, ISO 11268-1)	✓	✓
Earthworm reproduction test* (OECD 222, ISO 11268-2)	✓	✓
Earthworm avoidance test (ISO 17512-1)	✓	✓
Enchytraeid reproduction test (OECD 220, ISO 16387)	✓	✓
Collembolan reproduction test* (OECD 232, ISO 11267)	✓	✓
Collembolan avoidance test (ISO 17512-2)	✓	✓
Predatory mite reproduction test (OECD 226)	✓	✓
Bioaccumulation in terrestrial oligochaetes (OECD 317)	✓	✓

* Alternative species available. For more information visit us at <https://cloverstrategy.pt/>.



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TERRESTRIAL PLANTS	GLP	Non GLP
Measurement of the inhibition of root growth (ISO 11269-1)	✓	✓
Seedling emergence and seedling growth test (OECD 208)	✓	✓
Vegetative vigour test (OECD 227)	✓	✓
Chronic toxicity in higher plants (ISO 22030)	✓	✓
BEEES	GLP	Non GLP
Acute oral toxicity test with honeybees (<i>Apis mellifera</i>): effects on adult workers (OECD 213)		✓
Acute contact toxicity test with honeybees (<i>Apis mellifera</i>): effects on adult workers (OECD 214)		✓
Chronic oral toxicity test (10-day feeding) with honeybees (<i>Apis mellifera</i>): effects recently emerged bees (OECD 245)		✓
Chronic oral toxicity test with honeybee (<i>Apis mellifera</i>): effects on larvae after repeated exposure (OECD 239)		✓
Acute oral toxicity test with honeybees (<i>Apis mellifera</i>) effects on larvae after single exposure (OECD 237)		✓
NON-TARGET ARTHROPODS	GLP	Non GLP
Acute toxicity tests with wasps <i>Aphidius rhopalosiphi</i> (Mead-Briggs et al. 2000)		✓
Chronic toxicity tests with wasps <i>Aphidius rhopalosiphi</i> (Mead-Briggs et al. 2000)		✓
Contact toxicity tests with mites <i>Typhlodromus pyri</i> (Blümel et al. 2000)		✓
GENOTOXICITY	GLP	Non GLP
Determination of the genotoxicity of water and wastewater using the umu-test with bacterium <i>Salmonella typhimurium</i> TA1535/pSK1002 (ISO 13829)		✓