

Composition of reconstituted water used in the ecotoxicological tests

Acute and chronic tests on zebrafish (OECD 203, 210)

Acute test on *D. magna* (OECD 202)

Reconstituted water: analytical grade salts will be dissolved in purified water (conductivity < 10 µS/cm) to obtain the following nominal concentrations

CaCl ₂ * 2H ₂ O	:	2.0 mmol/L (= 294.0 mg/L)
MgSO ₄ * 7H ₂ O	:	0.5 mmol/L (= 123.3 mg/L)
NaHCO ₃	:	0.771 mmol/L (= 64.8 mg/L)
KCl	:	0.078 mmol/L (= 5.8 mg/L)
Water Hardness	:	10 - 250 mg/L as CaCO ₃
Alkalinity	:	0.8 mmol/L
Ratio of		Ca : Mg = 4 : 1 (based on molarity)
		Na : K = 10 : 1 (based on molarity)

Growth inhibition test on *P. subcapitata* (OECD 201)

Algal medium: in deionized water (conductivity < 5 µS/cm) analytical grade salts will be added to following final nominal concentrations:

Macro-nutrients:	NaHCO ₃	50.0 mg/L
	CaCl ₂ * 2 H ₂ O	18.0 mg/L
	NH ₄ Cl	15.0 mg/L
	MgSO ₄ * 7 H ₂ O	15.0 mg/L
	MgCl ₂ * 6 H ₂ O	12.0 mg/L
	KH ₂ PO ₄	1.6 mg/L
Trace Elements:	Na ₂ EDTA * 2 H ₂ O	100.0 µg/L
	FeCl ₃ * 6 H ₂ O	64.0 µg/L
	MnCl ₂ * 4 H ₂ O	415.0 µg/L
	H ₃ BO ₃	185.0 µg/L
	Na ₂ MoO ₄ * 2 H ₂ O	7.0 µg/L
	ZnCl ₂	3.0 µg/L
	CoCl ₂ * 6 H ₂ O	1.5 µg/L
	CuCl ₂ * 2 H ₂ O	0.01 µg/L

pH 8.1 ± 0.2

Chronic test on *D. magna* (OECD 211)

Reconstituted water: in deionized water (conductivity < 5 µS/cm), analytical grade, the following salts were added to a defined final nominal concentration:

Trace Elements:	H ₃ BO ₃	2860 mg/L
	MnCl ₂ *4H ₂ O	0.361 mg/L
	LiCl	0.306 mg/L
	RbCl	0.071 mg/L
	SrCl ₂ *6H ₂ O	0.152 mg/L
	NaBr	0.016 mg/L
	MoNa ₂ O ₄ *2H ₂ O	0.063 mg/L
	CuCl ₂ *2H ₂ O	0.017 mg/L
	ZnCl ₂	0.013 mg/L
	CoCl ₂ *6H ₂ O	0.010 mg/L
	KI	0.003 mg/L
	Na ₂ SeO ₃	0.002 mg/L
	NH ₄ VO ₃	0.001 mg/L
	Na ₂ EDTA*2H ₂ O	2.500 mg/L
	FeSO ₄ *7H ₂ O	0.996 mg/L
Macro-nutrients:	CaCl ₂ *2H ₂ O	293.8 mg/L
	MgSO ₄ *7H ₂ O	123.3 mg/L
	KCl	5.8 mg/L
	NaHCO ₃	64.8 mg/L
	Na ₂ SiO ₃ *9H ₂ O	10 mg/L
	NaNO ₃	0.274 mg/L
	KH ₂ PO ₄	0.143 mg/L
	K ₂ HPO ₄	0.184 mg/L
	Thiamine hydrochloride	75 µg/L
	Cyanocobalamine (B12)	1 µg/L
	Biotine	0.75 µg/L