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Proposal to improve vertebrate cell cultures to establish them as substitutes for the regulatory testing of chemicals and effluents using fish

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#	Paper	IF	Citations
149	Primary cultured cells as sensitive in vitro model for assessment of toxicants--comparison to hepatocytes and gill epithelia. <i>Aquatic Toxicology</i> , 2006 , 80, 109-18	5.1	41
148	Multidrug resistance-associated protein 3 (Mrp3/Abcc3/Moat-D) is expressed in the SAE <i>Squalus acanthias</i> shark embryo-derived cell line. 2007 , 4, 261-75		9
147	Detection and functional characterization of Pgp1 (ABCB1) and MRP3 (ABCC3) efflux transporters in the PLHC-1 fish hepatoma cell line. <i>Aquatic Toxicology</i> , 2007 , 81, 365-76	5.1	41
146	Comparison of in vitro and in vivo acute fish toxicity in relation to toxicant mode of action. <i>Chemosphere</i> , 2007 , 68, 1435-41	8.4	27
145	The zebrafish embryo model in environmental risk assessment--applications beyond acute toxicity testing. <i>Environmental Science and Pollution Research</i> , 2008 , 15, 394-404	5.1	393
144	Fish cell lines as rapid and inexpensive screening and supplemental tools for whole effluent testing. 2008 , 4, 372-374		8
143	Developing a list of reference chemicals for testing alternatives to whole fish toxicity tests. <i>Aquatic Toxicology</i> , 2008 , 90, 128-37	5.1	45
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141	Effects and interactions in an environmentally relevant mixture of pharmaceuticals. 2008 , 102, 129-37		167
140	Ammonia-containing industrial effluents, lethal to rainbow trout, induce vacuolisation and Neutral Red uptake in the rainbow trout gill cell line, RTgill-W1. <i>ATLA Alternatives To Laboratory Animals</i> , 2009 , 37, 77-87	2.1	9
139	Evaluation of toxic and interactive toxic effects of three agrochemicals and copper using a battery of microbiotests. <i>Science of the Total Environment</i> , 2009 , 407, 4610-5	10.2	55
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137	The influence of modes of action and physicochemical properties of chemicals on the correlation between in vitro and acute fish toxicity data. <i>Toxicology in Vitro</i> , 2009 , 23, 1372-9	3.6	35
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134	Effect of a human pharmaceutical carbamazepine on antioxidant responses in brain of a model teleost in vitro: an efficient approach to biomonitoring. 2010 , 30, 644-8		35
133	Gene expression analysis of the ABC efflux transporters in rainbow trout (<i>Oncorhynchus mykiss</i>). 2010 , 151, 209-15		40

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5	Review of ecologically relevant in vitro bioassays to supplement current in vivo tests for whole effluent toxicity testing - Part 1: Apical endpoints. 2022 , 157817		
4	High-throughput screening paradigms in ecotoxicity testing: Emerging prospects and ongoing challenges. 2022 , 307, 135929		1
3	Establishment of an in vitro model from the vulnerable fish species <i>Coregonus maraena</i> (maraena whitefish): Optimization of growth conditions and characterization of the cell line.		0
2	Distinguishing between ante factum and post factum properties of animal cell lines and demonstrating their use in grouping ray-finned fish cell lines into invitromes.		0
1	Zebrafish as a biological model for assessing water quality along tropical hydrographic river basins in Northeast Brazil..		0