

Guidelines/Criteria	
	Reference: Johansson C, Tofighi R, Tamm C, Goldoni M, Mutti A, Ceccatelli S. 2006. Cell death mechanisms in AtT20 pituitary cells exposed to polychlorinated biphenyls (PCB 126 and PCB 153) and methylmercury. Toxicol Lett 167(3):183-190.
<b>In vitro Study Type</b> Route of Administration Species & age of animals	cytotoxicity in AtT20 pituitary cells
<b>Study Duration</b>	24 h
<b>Type of Mixture</b> Binary >2 components Similar acting or dissimilar What Mode of Action was investigated?	yes 4 dissimilar acting cell death (apoptosis vs. necrosis)
<b>Parameters/End points Measured</b> <i>In vitro</i>	induction of apoptosis (staining with annexin V), cell necrosis (propidium iodide staining)
<b>Individual Components</b> Characterisation of individual compounds Name, exact chemical name, CAS no.  Were dose responses established for individual components? Were no effect levels established? Were doses below the NO(A)ELs investigated?	methylmercury, 3,3',4,4',5-pentachlorobiphenyl (PCB 126), 3,3',4,4',5,5'-hexachlorobiphenyl (PCB 153), no purity given yes yes only in part
<b>Mixtures Investigated</b> Number of dose levels How does the mixture make-up compare to individual components? (e.g. low dose) equivalents used? No. of technical replicates per exposure condition ( <i>in vitro</i> ) No. of animals per dose group ( <i>in vivo</i> )	1 0.5X NOEC MeHg & 1x NOEC PCB 126; 0.5x MeHg & 0.33x NOEC PCB153 3, two independent runs
<b>Observations/Findings</b>	No effect was observed for the tested combinations
<b>Overall opinion</b> (e.g. sufficient numbers of groups investigated, group sizes adequate, observations reproducible, low dose levels used investigated)	Experiments on other parameters not including NOECs or using questionable (i.e. not reproducible NOECs) were not considered.