

# Supplementary Materials: Pentachloronitrobenzene Reduces the Proliferative Capacity of Zebrafish Embryonic Cardiomyocytes via Oxidative Stress

Guoqiang Fan, Tianzhu Shen, Kun Jia, Xiaoping Xiao, Zhanfeng Wu, Fanghua Gong and Huiqiang Lu

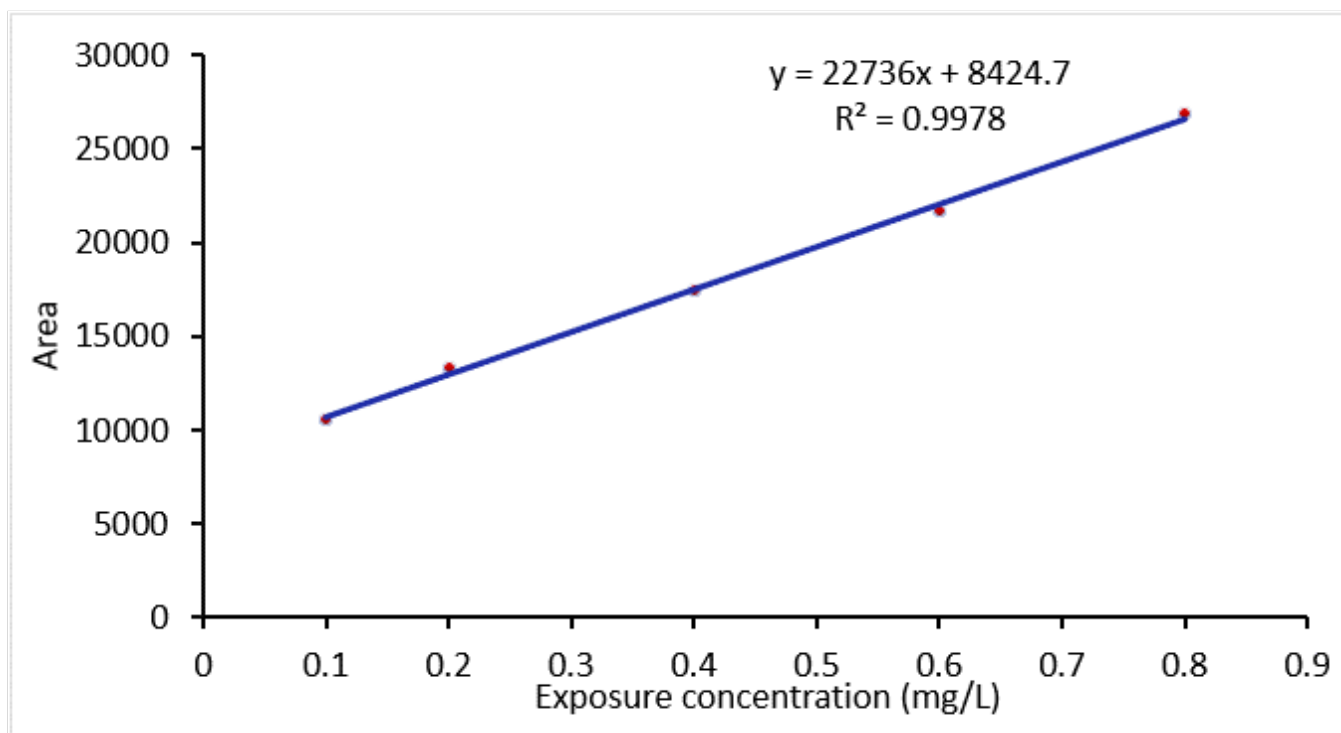
**Table S1.** Sequences of primer pairs used in the real-time quantitative PCR reaction.

$\beta$ -actinQPCR FP	CGAGCAGGAGATGGGAACC
$\beta$ -actinQPCR RP	CAACGGAAACGCTCATTGC
Myh6-QPCR fp	CACCAGCAGACACTGGATG
Myh6-QPCR rp	GCTCCAAGTCCATTCTGAC
Nkx2.5-QPCR fp	TGCTTCAGGCTTTTACGCGA
Nkx2.5-QPCR rp	GTCTTCCTGACAACAGCCGA
gata4 QPCR FP	GCCGGGATACCGCAACTTAT
gata4 QPCR RP	AGTACGGAGCTGTCTGAAGTG
tbx5a QPCR FP	GCTCCTACCACGAACACACA
tbx5a QPCR RP	ATCCTCGCTGGAGGAACTCT
nppa QPCR FP	GCTCCTGGTTTGGCAGCAG
nppa QPCR RP	GAGCTGCTGCTTCCTCTCGG
Tbx2b Qpcr FP	AACTGGCAGAGATGCTGGTC
Tbx2b Qpcr RP	ACACCGGTCATTTTGGTGGT
sod1 Qpcr FP	TGACCGGCACCGTCTATTTT
sod1 Qpcr RP	ATGCAGCCGTTTGTGTTGTC
sod2 Qpcr FP	TGTTGGAGGCCATAAAGCGT
sod2 Qpcr RP	AGTGGGATGAGACCTGTGGT
ccnd1 QPCR FP	CCAGAACCTCACCAACTTCC
ccnd1 QPCR RP	TGGTCTCTGTGGAGATGTGC
ccne1 QPCR FP	CGCAGTATGCATCAGAAAGC
ccne1 QPCR RP	TCCATAACGCGTGTATCTCG
cdk2 QPCR FP	GATCGGAGAGGGAACATACG
cdk2 QPCR RP	GCAGAGAGATCTCACGAATGG
cdk6 QPCR FP	GGTGCAGACTGAGGAAGAGG
cdk6 QPCR RP	TCCTGGAAACTGTGCATACG

**Table S2.** The actual concentrations of PCNB during exposure process (mg/L). The concentration of PCNB exposure were relatively constant and maintained within the range of  $\pm 10\%$  of the nominal concentration during the exposure process.

Concentration (mg/L)	6 hpf	24 hpf
DMSO	ND	ND
0.25	0.2482 $\pm$ 0.0002	0.2483 $\pm$ 0.0005
0.5	0.5059 $\pm$ 0.0002	0.5059 $\pm$ 0.0002
0.75	0.7633 $\pm$ 0.0002	0.7633 $\pm$ 0.0001

ND: Not detected, <LOD. The data were expressed as mean $\pm$ standard deviation (SD).  $n=3$ .



**Figure S1.** The results of actual concentration determination. The retention time was about 3.85 min. Calibration curves were obtained prior to each day of analysis and linearity was confirmed from 0.1 mg/L to 0.8 mg/L ( $R^2 = 0.9978$ ). All measurements were performed in triplicate. PCNB concentration determination. The linear regressions ( $R^2 > 0.99$ ) generated from a 5-point calibration standard.