# Supplementary Materials: Health Impact Assessment of Sulfolane on Embryonic Development of Zebrafish *(Danio rerio)*

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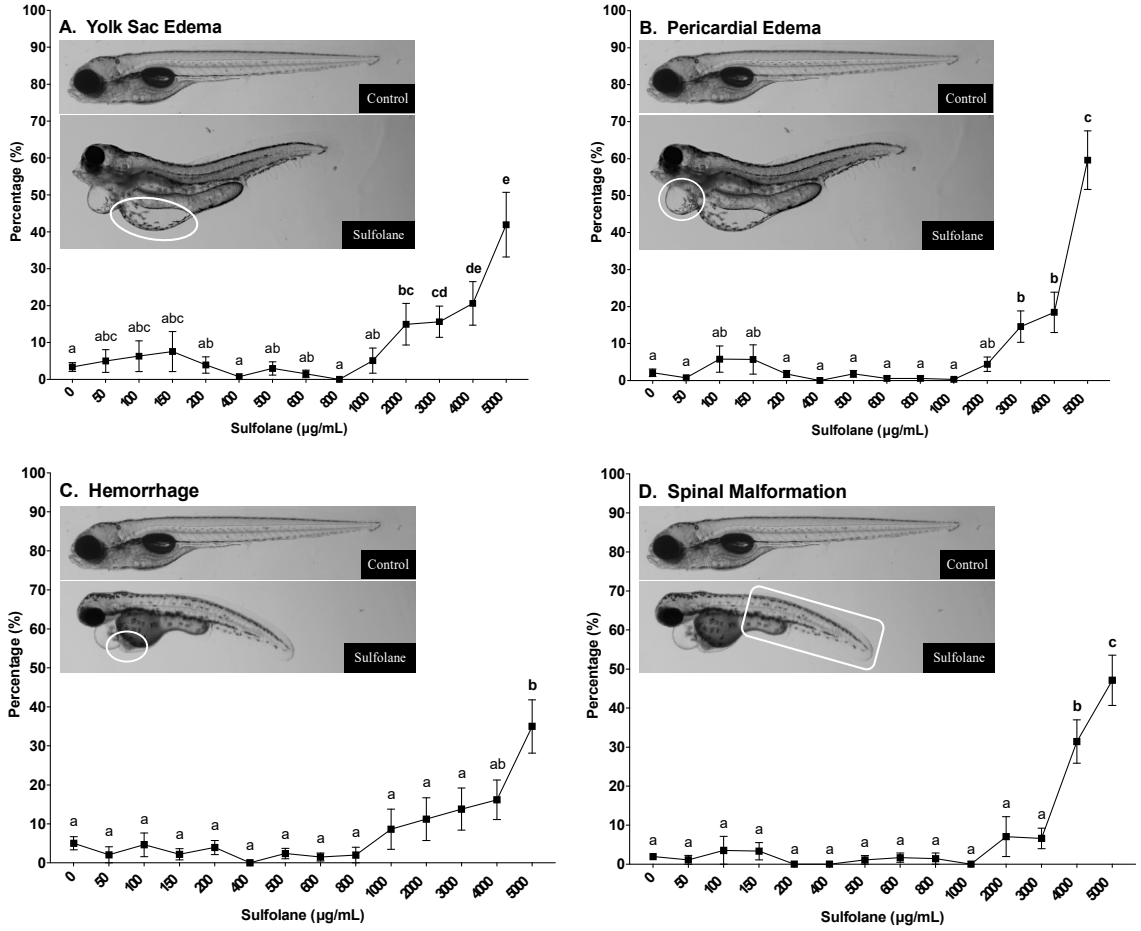


**Figure S1.** Dose-related effect of sulfolane exposure in µg/mL on the presence of various characterized morphometric endpoints in zebrafish *(Danio rerio)* larvae at 72hpf. The points represent mean and SEM. Unmatched letters represent statistical significance ($p < 0.05$) based on results of Conover-Iman all pairs comparison test. $n$ = 6–10 wells, each containing 10 embryos. (**A**) Yolk Sac Oedema (**B**) Pericardial Oedema (**C**) Hemorrhaging (**D**) Spinal Malformations.

**Table S1.** List of genes used for exploratory transcript abundance assessment, their associated forward and reverse primers and their annealing temperature.

| Gene | Type | Sequence | Tm (°C) | Reference |
|---|---|---|---|---|
| *ß-actin* | Forward | 5′ – GCAGAAGGAGATCACATCCCTGGC – 3′ | 66.7 | [1] |
| | Reverse | 5′ – CATTGCCGTCACCTTCACCGTTC – 3′ | | |
| *ahr1a* | Forward | 5′ – CGCAAAAGGAGGAAACCTGTC – 3′ | 52.8 | [2] |
| | Reverse | 5′ – CCTGTAGCAAAAATTCCCCCT – 3′ | | |
| *cyp1a* | Forward | 5′ – ATTCATCCTTCCTTCCCTTCAC – 3′ | 56.0 | [3] |
| | Reverse | 5′ – ACCTTCTCGCCTTCCAACTTAT – 3′ | | |
| *thraa* | Forward | 5′ – CTGCTGTGATTGGATGCTGGAT – 3′ | 51.0 | [4] |
| | Reverse | 5′ – GCTCTTGTCGGATGTGCTGTT – 3′ | | |
| *dio1* | Forward | 5′– TGCTTTAATTACCCTGGACCG – 3′ | 55.0 | Habibi Lab |
| | Reverse | 5′ – TGCTGAAGTCCTTGACAAGC – 3′ | | |
| *dio2* | Forward | 5′ – GCATAGGCAGTCGCTCATTT – 3′ | 54.0 | [5] |
| | Reverse | 5′ – TGTGGTCTCTCATCCAACCA – 3′ | | |
| *dio3* | Forward | 5′ – TCCGACAGCAACAAGATGTTCACG – 3′ | 55.0 | Habibi Lab |
| | Reverse | 5′ – GCGCTCTTGAAGAAGTCCAGCTT – 3′ | | |
| *11βhsd2* | Forward | 5′ – TGCTGCTGGCTGTACTTCAC – 3′ | 56.6 | [6] |
| | Reverse | 5′ – TGCATCCAACTTCTTTGCTG – 3′ | | |
| *gr* | Forward | 5′ – ACAGCTTCTTCCAGCCTCAG – 3′ | 55.5 | [6] |
| | Reverse | 5′ – CCGGTGTTCTCCTGTTTGAT – 3′ | | |
| *aqp3a* | Forward | 5′ – TGGACCCCTACAACAACCCG – 3′ | 59.9 | [7] |
| | Reverse | 5′ – TGCCATCCCACCATCAGC – 3′ | | |
| *cyp19a1b* | Forward | 5′ – TCGGCACGGCGTGCAACTAC – 3′ | 59.0 | [8] |
| | Reverse | 5′ – CATACCTATGCATTGCAGACC – 3′ | | |
| *ddc* | Forward | 5′ – CTGAGGAGGCCCCGGAGGAG – 3′ | 55.5 | [9] |
| | Reverse | 5′ – GGGCTGTGCCAGTGGGTGAC – 3′ | | |
| *gria2b* | Forward | 5′ – CGCGCTCAGCCTGAGCAATGT – 3′ | 66.7 | [10] |
| | Reverse | 5′ – GGATATCAGCTCGGTAAGCGAGTGTC – 3′ | | |
| *hsp70* | Forward | 5′ – ATCCTCATGGGCGACACCTCTG – 3′ | 58.0 | Habibi Lab |
| | Reverse | 5′ – TGTCGGCCTCTTGCACCATTCTC – 3′ | | |

## References


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