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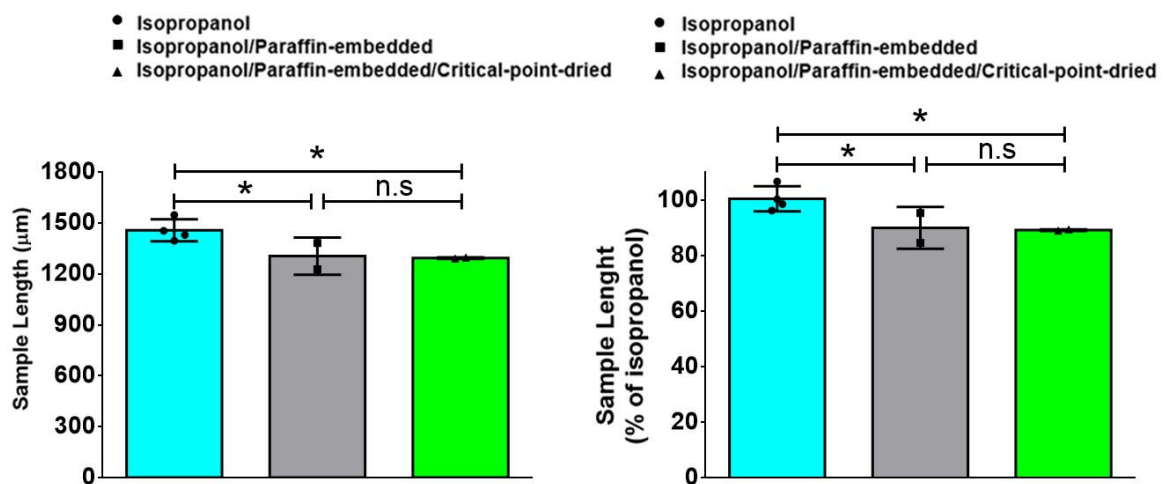
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Supporting information for article:

Comparative analysis of sample preparation protocols of soft biological tissues for morphometric studies using synchrotron-based X-ray microtomography

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(a)



(b)

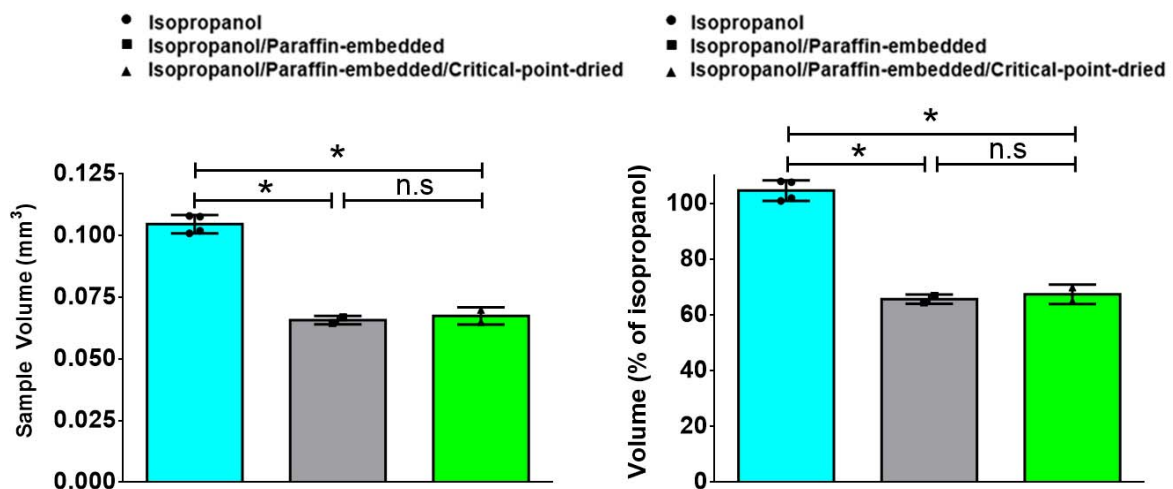


Figure S1 Morphological analysis of sample groups submitted independently to each of the mentioned sample mounting procedures exhibits the same behavior as of those samples submitted to all of the procedures. (a) The left bar graph shows the sample length of 48hpf zebrafish larvae submitted to isopropanol immersion, paraffin embedding or critical point drying as a strategy of sample mounting for microtomography. Right graph exhibits the reduction on total sample lengths plotted as a percentage of the isopropanol condition. Sample length and length ratio loss. (b) The left bar graph shows the sample volume of 48hpf zebrafish larvae submitted to isopropanol immersion, paraffin embedding or critical point drying as a strategy of sample mounting for microtomography. Right graph exhibits the reduction on total samples volume plotted as a percentage of the isopropanol

condition. The values indicate the means \pm SD. $*P < 0.05$, the difference between groups was statistically significant; ns, not significant. Data were analyzed by one-way ANOVA followed by Bonferroni posttests. N=4 samples of each group.

Table S1 Supplementary Table S2 Morphological analysis of sample groups submitted independently to each of the mentioned sample mounting procedures exhibits the same behavior as of those samples submitted to all of the procedures.

Values (raw values and plotted as percentage of isopropanol condition) show the reduction on sample length (μm) and volume (mm^3) of larvae individually submitted to only one of the sample mounting procedures.

	Isopropanol	Isopropanol/Paraffin- embedded	Isopropanol/Paraffin- embedded/Critical- point-dried
Length (μm)	1457 \pm 32.58 (100.5 \pm 2.24%)	1306 \pm 77.50 (90.03 \pm 5.34%)	1294 \pm 3.00 (89.24 \pm 0.20%)
Volume (mm^3)	0.1047 \pm 0.001 (104.7 \pm 1.80%)	0.0657 \pm 0.001 (65.74 \pm 1.17%)	0.0674 \pm 0.002 (67.47 \pm 2.45%)