metabolites

MDPI

Supplemental Material

Accurate Lipid Quantification of Tissue Homogenates Requires Suitable Sample Concentration, Solvent Composition, and Homogenization Procedure – a Case Study in Murine Liver

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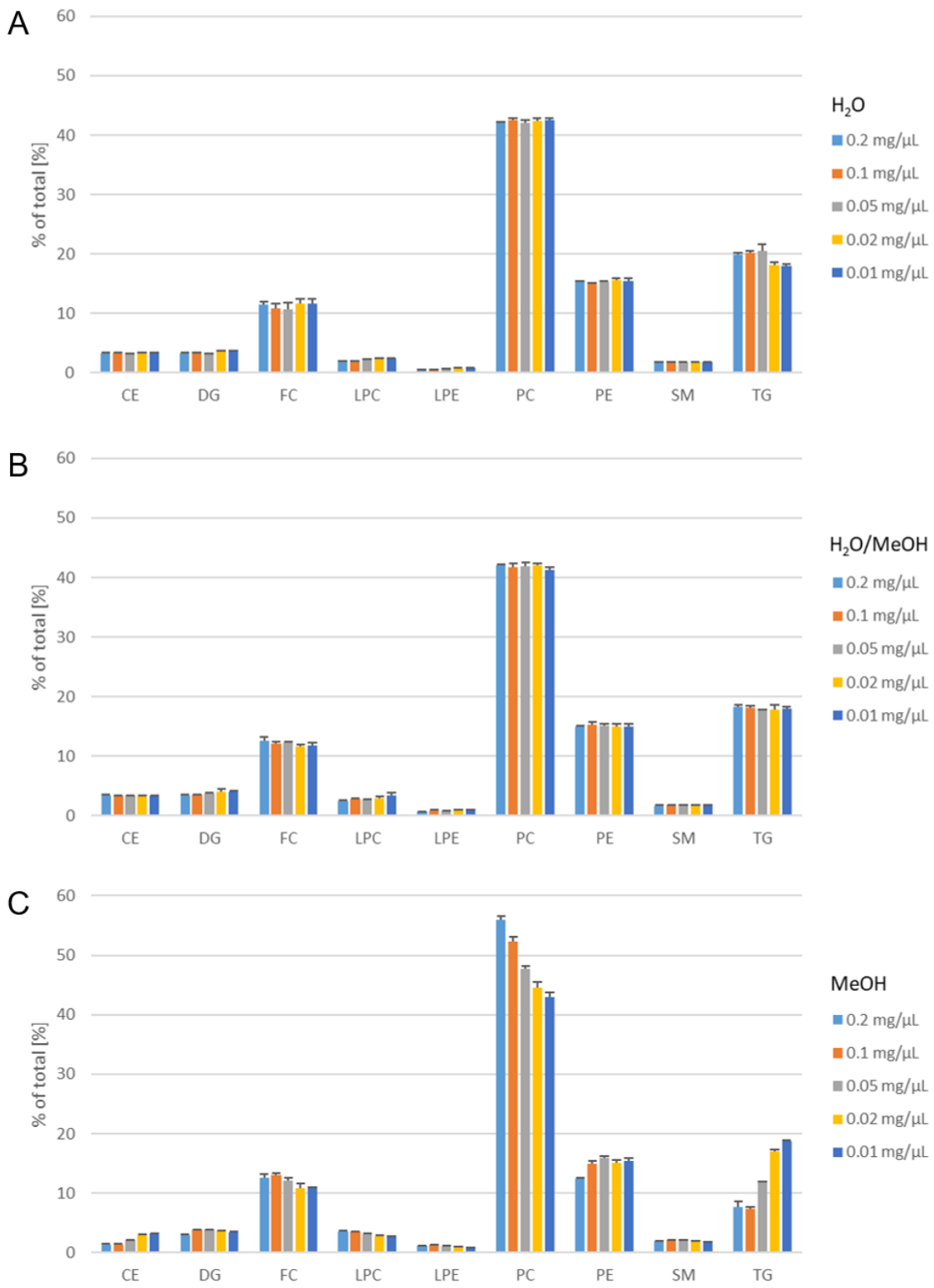

Figure S1. Lipid class composition of mouse liver tissue suspended at concentrations of 0.01, 0.02, 0.05, 0.1, or 0.2 mg/µL in (A) H_2O, (B) H_2O/MeOH = 1/1 (v/v), or (C) MeOH. The tissue was ground in liquid nitrogen with mortar and pestle. Displayed are mean +/- SD of a triplicate analysis.

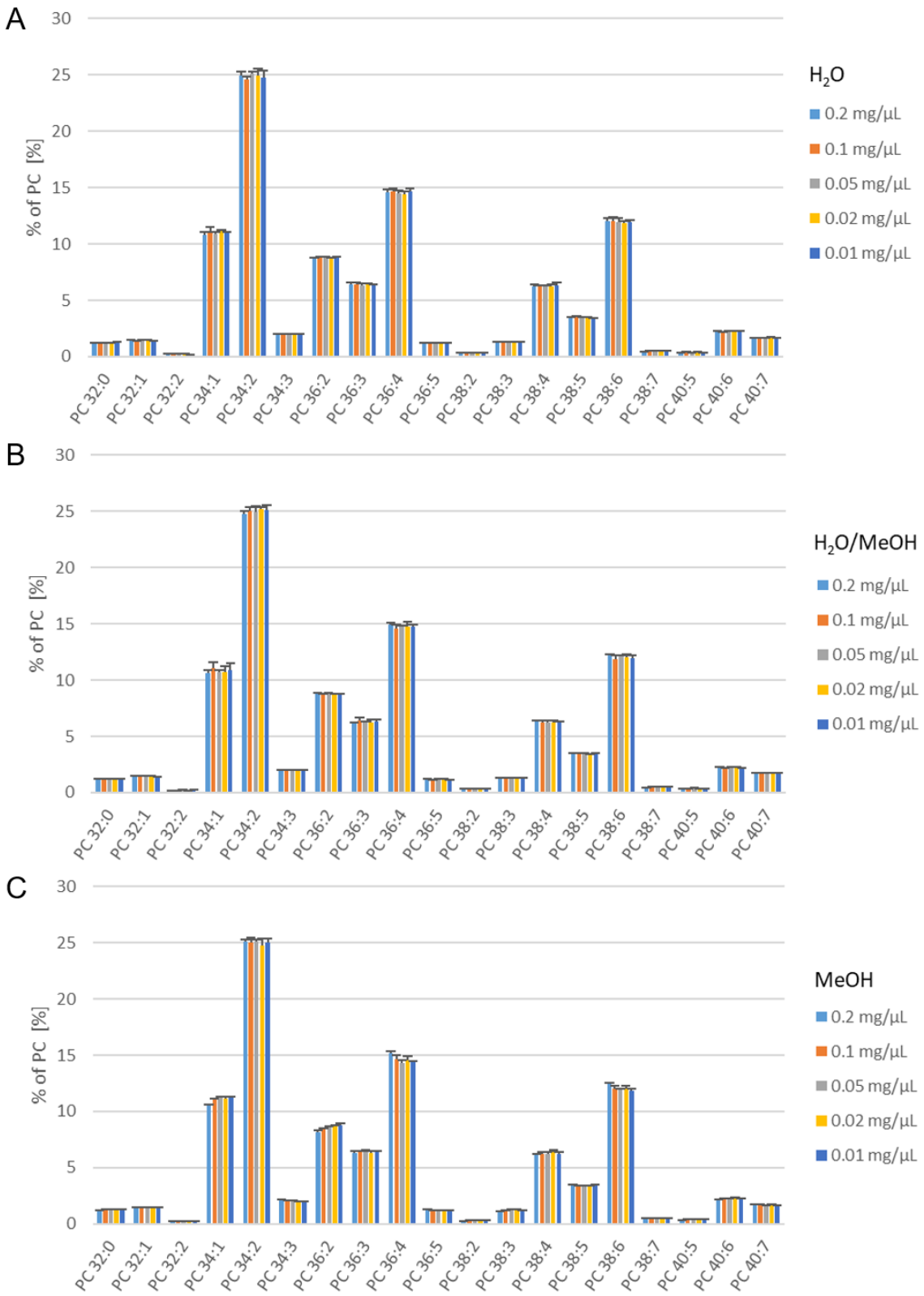

Figure S2. Phosphatidylcholine (PC) species profile of mouse liver tissue suspended at concentrations of 0.01, 0.02, 0.05, 0.1, or 0.2 mg/µL in (A) H_2O, (B) H_2O/MeOH = 1/1 (v/v), or (C) MeOH. The tissue was ground in liquid nitrogen with mortar and pestle. Displayed are mean +/- SD of a triplicate analysis.

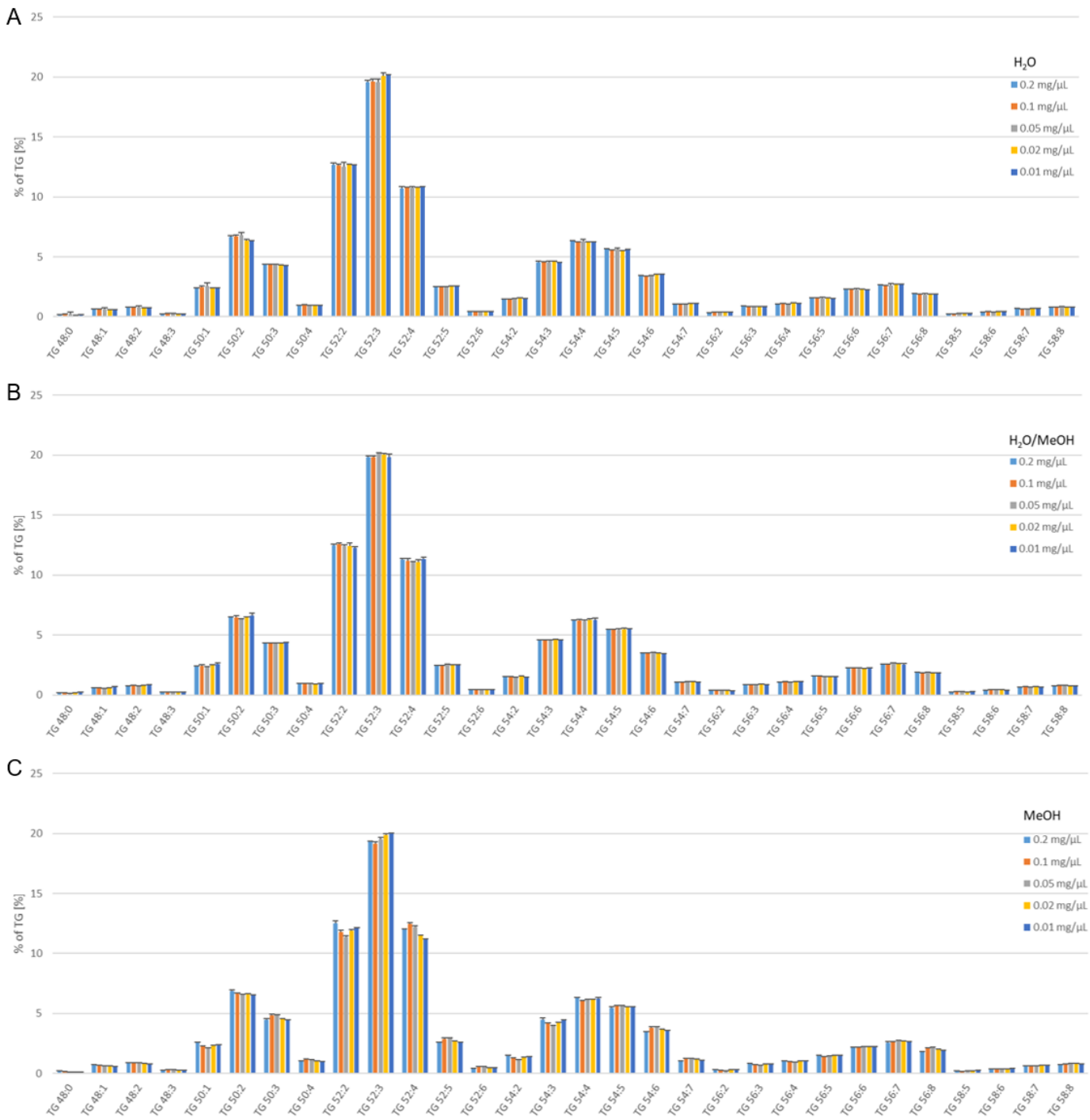

Figure S3. Triglyceride (TG) species profile of mouse liver tissue suspended at concentrations of 0.01, 0.02, 0.05, 0.1, or 0.2 mg/µL in (A) H_2O, (B) H_2O/MeOH = 1/1 (v/v), or (C) MeOH. The tissue was ground in liquid nitrogen with mortar and pestle. Displayed are mean +/- SD of a triplicate analysis.