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MEMBRANE PERMEABILIZATION OF PHOSPHATIDYLCHOLINE LIPOSOMES INDUCED BY CRYOPRESERVATION AND VITRIFICATION SOLUTIONS

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author contributions: WW, HO, HS and BS were involved in designing the study. HO and LdOB performed the CF-leakage experiments, LdOB and BS determined Tm-curves. BS performed ATR-FTIR measurements, with help of HO and WW. BS did most of the spectra analysis and wrote the first draft of the manuscript. All authors were involved in discussing the results and revising the manuscript. WW and HS supervised the study and secured funding.