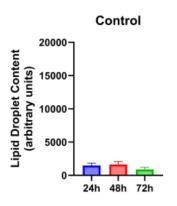
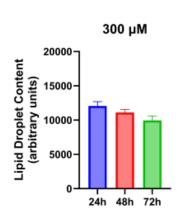
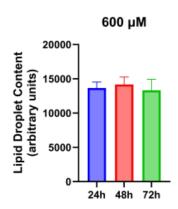
Supplementary Information (SI) for Sustainable Food Technology. This journal is © The Royal Society of Chemistry 2025 **Supplementary Fig**

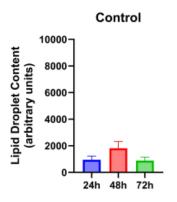
S1

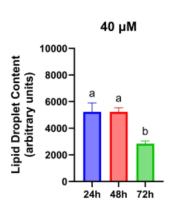


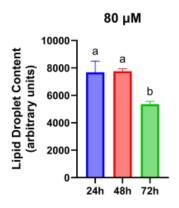




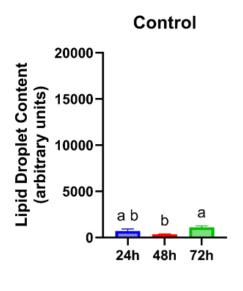
Supplementary Fig S2

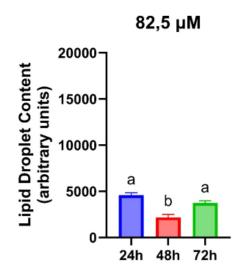


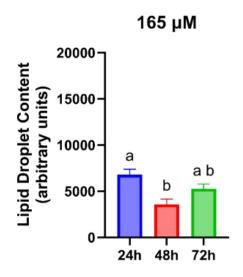


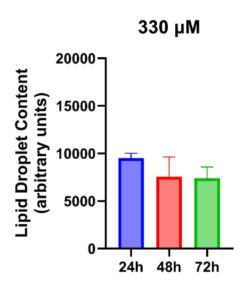


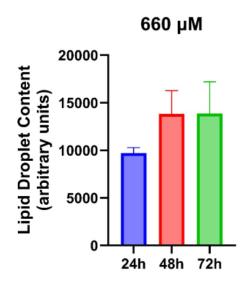
Supplementary Fig S3

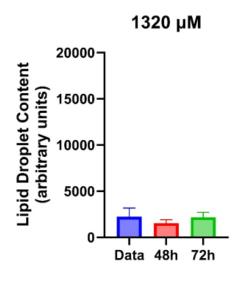












Supplementary Fig S4

