



PRECISIONARY

REFERENCES FOR LIVER

All of these **peer-reviewed publications** have used the Compresstome® for successful tissue slices. If you have any questions, please contact us:

www.precisionary.com

E-mail: info@precisionary.com

Phone: 617-683-0586

References

1. Al Fayez N, Böttger R, Rouhollahi E, Cullis PR, Witzigmann D, Li SD. Improved Liver Delivery of Primaquine by Phospholipid-Free Small Unilamellar Vesicles with Reduced Hemolytic Toxicity. *Mol Pharm*. 2022 Jun 6;19(6):1778-1785. Epub 2021 Sep 21. PMID: 34546758.
2. Al Fayez N, Rouhollahi E, Ong CY, Wu J, Nguyen A, Böttger R, Cullis PR, Witzigmann D, Li SD. Hepatocyte-targeted delivery of imiquimod reduces hepatitis B virus surface antigen. *J Control Release*. 2022 Oct;350:630-641. Epub 2022 Sep 7. PMID: 36058352.
3. Al Fayez N, Böttger R, Brown J, Rouhollahi E, Li SD. The mechanism of Hepatocyte-Targeting and safety profile of Phospholipid-Free small unilamellar vesicles. *Int J Pharm*. 2022 Nov 25;628:122269. Epub 2022 Oct 8. PMID: 36220590.
4. Bose SK, White BM, Kashyap MV, Dave A, De Bie FR, Li H, Singh K, Menon P, Wang T, Teerdhala S, Swaminathan V, Hartman HA, Jayachandran S, Chandrasekaran P, Musunuru K, Jain R, Frank DB, Zoltick P, Peranteau WH. In utero adenine base editing corrects multi-organ pathology in a lethal lysosomal storage disease. *Nat Commun*. 2021 Jul 13;12(1):4291. PMID: 34257302; PMCID: PMC8277817.
5. Cautivo KM, Matatia PR, Lizama CO, Mroz NM, Dahlgren MW, Yu X, Sbierski-Kind J, Taruselli MT, Brooks JF, Wade-Vallance A, Caryotakis SE, Chang AA, Liang HE, Zikherman J, Locksley RM, Molofsky AB. Interferon gamma constrains type 2 lymphocyte niche boundaries during mixed inflammation. *Immunity*. 2022 Feb 8;55(2):254-271.e7. PMID: 35139352; PMCID: PMC8852844.

6. Chung DJ, Madison GP, Aponte AM, Singh K, Li Y, Pirooznia M, Bleck CKE, Darmani NA, Balaban RS. Metabolic design in a mammalian model of extreme metabolism, the North American least shrew (*Cryptotis parva*). *J Physiol*. 2022 Feb;600(3):547-567. Epub 2021 Dec 13. PMID: 34837710.
7. Harvey TN, Sandve SR, Jin Y, Vik JO, Torgersen JS. Liver slice culture as a model for lipid metabolism in fish. *PeerJ*. 2019 Sep 17;7:e7732. PMID: 31576253; PMCID: PMC6753922.
8. Ko J, Wilkovitsch M, Oh J, Kohler RH, Bolli E, Pittet MJ, Vinegoni C, Sykes DB, Mikula H, Weissleder R, Carlson JCT. Spatiotemporal multiplexed immunofluorescence imaging of living cells and tissues with bioorthogonal cycling of fluorescent probes. *Nat Biotechnol*. 2022 Nov;40(11):1654-1662. Epub 2022 Jun 2. PMID: 35654978; PMCID: PMC9669087.
9. Ling B, Lee J, Maresca D, Lee-Gosselin A, Malounda D, Swift MB, Shapiro MG. Biomolecular Ultrasound Imaging of Phagolysosomal Function. *ACS Nano*. 2020 Sep 22;14(9):12210-12221. Epub 2020 Sep 14. PMID: 32902951; PMCID: PMC7685203.
10. Liu P, Dodson M, Li H, Schmidlin CJ, Shakya A, Wei Y, Garcia JGN, Chapman E, Kiela PR, Zhang QY, White E, Ding X, Ooi A, Zhang DD. Non-canonical NRF2 activation promotes a pro-diabetic shift in hepatic glucose metabolism. *Mol Metab*. 2021 Sep;51:101243. Epub 2021 Apr 30. PMID: 33933676; PMCID: PMC8164084.
11. Liu P, Anandhan A, Chen J, Shakya A, Dodson M, Ooi A, Chapman E, White E, Garcia JG, Zhang DD. Decreased autophagosome biogenesis, reduced NRF2, and enhanced ferroptotic cell death are underlying molecular mechanisms of non-alcoholic fatty liver disease. *Redox Biol*. 2023 Feb;59:102570. Epub 2022 Dec 5. PMID: 36495698; PMCID: PMC9731892.
12. Liu Y, Lv L, Wang L, Zhong Y. Social Isolation Induces Rac1-Dependent Forgetting of Social Memory. *Cell Rep*. 2018 Oct 9;25(2):288-295.e3. PMID: 30304669.
13. Moen T, Torgersen J, Santi N, Davidson WS, Baranski M, Ødegård J, Kjølglum S, Velle B, Kent M, Lubieniecki KP, Isdal E, Lien S. Epithelial Cadherin Determines Resistance to Infectious Pancreatic Necrosis Virus in Atlantic Salmon. *Genetics*. 2015 Aug;200(4):1313-26. Epub 2015 Jun 2. PMID: 26041276; PMCID: PMC4574245.
14. Parlakgöl G, Arruda AP, Pang S, Cagampan E, Min N, Güney E, Lee GY, Inouye K, Hess HF, Xu CS, Hotamışlıgil GS. Regulation of liver subcellular architecture controls metabolic homeostasis. *Nature*. 2022 Mar;603(7902):736-742. Epub 2022 Mar 9. PMID: 35264794; PMCID: PMC9014868.

15. Sarkar A, Jin Y, DeFelice BC, Logan CY, Yang Y, Anbarchian T, Wu P, Morri M, Neff NF, Nguyen H, Rulifson E, Fish M, Kaye AG, Martínez Jaimes AM, Nusse R. Intermittent fasting induces rapid hepatocyte proliferation to restore the hepatostat in the mouse liver. *Elife*. 2023 Jan 31;12:e82311. PMID: 36719070; PMCID: PMC9889086.
16. Vogler J, Böttger R, Al Fayez N, Zhang W, Qin Z, Hohenwarter L, Chao PH, Rouhollahi E, Bilal N, Chen N, Lee B, Chen C, Wilkinson B, Kieffer TJ, Kulkarni JA, Cullis PR, Witzigmann D, Li SD. Altering the intra-liver distribution of phospholipid-free small unilamellar vesicles using temperature-dependent size-tunability. *J Control Release*. 2021 May 10;333:151-161. Epub 2021 Mar 23. PMID: 33771624.
17. Weidinger A, Dungal P, Perlinger M, Singer K, Ghebes C, Duvigneau JC, Müllebner A, Schäfer U, Redl H, Kozlov AV. Experimental data suggesting that inflammation mediated rat liver mitochondrial dysfunction results from secondary hypoxia rather than from direct effects of inflammatory mediators. *Front Physiol*. 2013 Jun 7;4:138. PMID: 23760194; PMCID: PMC3675332.
18. Zhang W, Böttger R, Qin Z, Kulkarni JA, Vogler J, Cullis PR, Li SD. Phospholipid-Free Small Unilamellar Vesicles for Drug Targeting to Cells in the Liver. *Small*. 2019 Oct;15(43):e1901782. Epub 2019 Sep 6. PMID: 31490617.