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<https://protocols.io/view/igvf-liver-nuclei-isolation-protocol-cyhdx26>

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Protocol status: In development
We are still developing and optimizing this protocol

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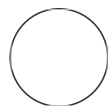
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PROTOCOL integer ID:
86277

🌐 IGVF Liver nuclei isolation protocol V.1

Elisabeth Rebboah¹

¹University of California, Irvine



Elisabeth Rebboah
University of California, Irvine

ABSTRACT

This protocol describes isolation of nuclei from 10 week old whole mouse livers from 8 founder strains (B6J, AJ, 129S1J, NZOJ, WSBJ, NODJ, PWKJ, and CASTJ), preparation of a single nucleus suspension, and fixation for single nucleus RNA-seq using Parse Biosciences and SHARE-seq using part of the Broad Institute protocol. We process 1 rep from each strain per day; e.g. female rep 1 across all 8 strains. The main products we use are Parse Biosciences Nuclei Fixation Kit (v2) and Miltenyi Biotec's gentleMACS Octo Dissociator with accessories. This protocol takes about 3.5 hours from start to finish.

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