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JAX-Sen: Mice Selection Criteria (Placenta)

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Cellular Senescence Net...



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Protocol status: Working

We use this protocol and it's working

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Abstract

We aim to select a mouse placentas each from male and female fetus different timepoints to perform scRNA-seq, bulkRNA-seq, and spatial assays such as Xenium, CODEX Phenocycler and visium and H&E.

Guidelines

This protocol requires prior approval by the users' Institutional Animal Care and Use Committee (IACUC) or equivalent ethics committee.



- 1 We aim to select a minimum of $n=4$ mouse placentas each from male and female fetus (total of 8) at 4 different timepoints.
- 2 For C57Bl/6 strain (E9.5, E11.5, E13.5 and E17.5) and at 1 timepoint (E13.5) for 7 other mouse strains (WSB, A/J, NOD, NZO, 129S1, PWK and CAST) that have not been studied before are used.
- 3 With these placentas, we plan to perform scRNA-seq, bulkRNA-seq, and spatial assays such as Xenium, CODEX Phenocycler and visium and H&E) for a total of ~150 placentas.