OPT E9.5 IMPC_EOL_001

Purpose

To assess morphological defects in E9.5 embryos from lethal strains with OPT.

Experimental Design

- Set up timed matings with heterozygous mice
- Day 0 is defined as the midpoint of the prior dark cycle following the identification of a copulation plug.
- Collect embryos at E9.5 with 3 minimum homozygous and 1 littermate control
- Ensure embryos are bleed as much as possible.
- Reconstruct the scans according to Mark’s instructions

Procedure

1. Set up timed mating with heterozygous animals. Dissect and collect >=3 homozygote embryos.
2. Process the embryos using the centre’s staining and embedding protocol.
3. Centre-specific methods are recorded within a document
   Scan and generate reconstructions of embryos.

Notes

Embryos may be processed for Histopathology.

Parameters and Metadata

**Image Pixel Size** IMPC_EOL_006_001 | v1.0

**procedureMetadata**


**Unit Measured:** µm
**Equipment ID**  IMPC_EOL_003_001 | v1.0

- **Req. Analysis:** false
- **Req. Upload:** true
- **Is Annotated:** false

**Screenshots**  IMPC_EOL_012_001 | v1.1

- **Req. Analysis:** false
- **Req. Upload:** false
- **Is Annotated:** false

- **Increments:** Minimum 1

**Equipment Manufacturer**  IMPC_EOL_004_001 | v1.0

- **Req. Analysis:** false
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- **Is Annotated:** false

**E9.5 OPT preparation protocol**  IMPC_EOL_007_001 | v1.0

- **Req. Analysis:** false
- **Req. Upload:** true
- **Is Annotated:** false
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**Metadata**

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Experimenter ID  IMPC_EOL_002_001 | v1.0

procedureMetadata

Embryo reconstruction  IMPC_EOL_001_001 | v1.1

seriesMediaParameter

Increments: Minimum 1