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. Centre-specific methods are recorded within a document
3. Scan and generate reconstructions of embryos.

Notes

Embryos may be processed for Histopathology.

Parameters and Metadata

**Embryo reconstruction** IMPC_EOL_001_001 | v1.1

<table>
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<tr>
<th>seriesMediaParameter</th>
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**Req. Analysis:** false  
**Req. Upload:** true  
**Is Annotated:** false

**Increments:** Minimum 1
**Equipment ID**  IMPC_EOL_003_001 | v1.0

**Equipment Manufacturer**  IMPC_EOL_004_001 | v1.0

**Equipment Model**  IMPC_EOL_005_001 | v1.0

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

**Unit Measured:** µm
E9.5 OPT preparation protocol  IMPC_EOL_007_001 | v1.0


Date equipment last calibrated  IMPC_EOL_008_001 | v1.0


Date of Sacrifice  IMPC_EOL_009_001 | v1.0


Date Preparation Finished  IMPC_EOL_010_001 | v1.1


Date of Scan  IMPC_EOL_011_001 | v1.0

procedureMetadata
Screenshot: IMPC_EOL_012_001 | v1.1

Series Media Parameter

Increments: Minimum 1