Organ Weight IMPC_OWT_001

Purpose
To measure and record absolute organ weight and body weight, and use the values to calculate organ weight relative to body weight ratio.

Experimental Design

- Minimum number of animals: 4M + 4F
- Age at test: Week 16

Parameters and Metadata

Body weight IMPC_OWT_001_001 | v1.0


Unit Measured: g
Description: body_weight

Spleen weight IMPC_OWT_002_001 | v1.0


Unit Measured: g
Description: spleen_weight
**Left kidney weight** IMPC_OWT_003_001 | v1.0

Requirement Analysis: false  
Requirement Upload: false  
Is Annotated: true

Unit Measured: g  
Description: left_kidney_weight

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**Right kidney weight** IMPC_OWT_004_001 | v1.0

Requirement Analysis: false  
Requirement Upload: false  
Is Annotated: true

Unit Measured: g  
Description: right_kidney_weight

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**Epididymis weight** IMPC_OWT_005_001 | v1.0

Requirement Analysis: false  
Requirement Upload: false  
Is Annotated: true

Unit Measured: g  
Description: epididymis_weight
Seminal vesicle weight IMPC_OWT_007_001 | v1.0

**simpleParameter**

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

Unit Measured: g

Description: seminal_vesicle_weight

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Spleen weight to body weight ratio IMPC_OWT_008_001 | v1.1

**simpleParameter**

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

Description: spleen_weight_to_body_weight_ratio

Derivation: \( \text{div('IMPC_OWT_002_001', 'IMPC_OWT_001_001')} \)

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Left kidney weight to body weight ratio IMPC_OWT_009_001 | v1.1

**simpleParameter**

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

Description: left_kidney_weight_to_body_weight_ratio

Derivation: \( \text{div('IMPC_OWT_003_001', 'IMPC_OWT_001_001')} \)
Right kidney weight to body weight ratio IMPC_OWT_010_001 | v1.1

| Description: right_kidney_weight_to_body_weight_ratio |
| Derivation: div('IMPC_OWT_004_001', 'IMPC_OWT_001_001') |

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Epididymis weight to body weight ratio IMPC_OWT_012_001 | v1.1

| Description: epididymis_weight_to_body_weight_ratio |
| Derivation: div('IMPC_OWT_005_001', 'IMPC_OWT_001_001') |

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Seminal vesicle weight to body weight ratio IMPC_OWT_013_001 | v1.1

| Description: seminal_vesicle_weight_to_body_weight_ratio |
| Derivation: div('IMPC_OWT_007_001', 'IMPC_OWT_001_001') |
**Experimenter ID**  IMPC_OWT_014_001 | v1.0

**Date of sacrifice**  IMPC_OWT_015_001 | v1.0

**Method of sacrifice**  IMPC_OWT_016_001 | v1.0

**Equipment ID**  IMPC_OWT_017_001 | v1.0
**Description:** equipment_id

**Date equipment last calibrated** IMPC_OWT_018_001 | v1.0

*procedureMetadata*

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

**Description:** date_equipment_last_calibrated

**Equipment manufacturer** IMPC_OWT_019_001 | v1.0

*procedureMetadata*

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

**Description:** equipment_manufacturer

**Equipment model** IMPC_OWT_020_001 | v1.0

*procedureMetadata*

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

**Description:** equipment_model

**Left testis weight** IMPC_OWT_021_001 | v1.0
<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit Measured</th>
<th>Description</th>
<th>Req. Analysis</th>
<th>Req. Upload</th>
<th>Is Annotated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Left testis weight</td>
<td>g</td>
<td>left_testis_weight</td>
<td>false</td>
<td>false</td>
<td>true</td>
</tr>
<tr>
<td>Right testis weight</td>
<td>g</td>
<td>right_testis_weight</td>
<td>false</td>
<td>false</td>
<td>true</td>
</tr>
<tr>
<td>Whole liver weight</td>
<td>g</td>
<td>whole_liver_weight</td>
<td>false</td>
<td>false</td>
<td>true</td>
</tr>
<tr>
<td>Right lung all lobes weight</td>
<td>g</td>
<td>right_lung_all_lobes</td>
<td>false</td>
<td>false</td>
<td>true</td>
</tr>
</tbody>
</table>
**Left lung weight**  IMPC_OWT_025_001 | v1.0

simpleParameter

- **Unit Measured:** g
- **Description:** right_lung_all_lobes_weight

**Left testis weight to body weight ratio**  IMPC_OWT_026_001 | v1.0

simpleParameter

- **Description:** left_testis_weight_to_body_weight_ratio

**Derivation:** div('IMPC_OWT_021_001','IMPC_OWT_001_001')

**Right testis weight to body weight ratio**  IMPC_OWT_027_001 | v1.0

simpleParameter
**Description:** right_testis_weight_to_body_weight_ratio

**Derivation:** \( \text{div('IMPC_OWT_022_001', 'IMPC_OWT_001_001')} \)

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**Whole liver weight to body weight ratio** IMPC_OWT_028_001 | v1.0

**Description:** whole_liver_weight_to_body_weight_ratio

**Derivation:** \( \text{div('IMPC_OWT_023_001', 'IMPC_OWT_001_001')} \)

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**Right lung all lobes weight to body weight ratio** IMPC_OWT_029_001 | v1.0

**Description:** right_lung_all_lobes_weight_to_body_weight_ratio

**Derivation:** \( \text{div('IMPC_OWT_024_001', 'IMPC_OWT_001_001')} \)

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**Left lung weight to body weight ratio** IMPC_OWT_030_001 | v1.0

**Description:** left_lung_weight_to_body_weight_ratio

**Derivation:** \( \text{div('IMPC_OWT_025_001', 'IMPC_OWT_001_001')} \)
Description: left_lung_weight_to_body_weight_ratio

Derivation: div('IMPC_OWT_025_001', 'IMPC_OWT_001_001')