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

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

- Unit Measured: g
- Description: body_weight

**Spleen weight** IMPC_OWT_002_001 | v1.0

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

- Unit Measured: g
**Description:** spleen_weight

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**Left kidney weight**  IMPC_OWT_003_001 | v1.0  
*simpleParameter*

**Req. Analysis:** false  **Req. 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  
*simpleParameter*

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

**Unit Measured:** g  
**Description:** right_kidney_weight

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**Epididymis weight**  IMPC_OWT_005_001 | v1.0  
*simpleParameter*

**Req. Analysis:** false  **Req. Upload:** false  **Is Annotated:** true
**Unit Measured:** \( g \)

**Description:** epididymis_weight

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**Seminal vesicle weight** \( \text{IMPC}_{-} \text{OWT}_{-}007_{-}001 \mid v1.0 \)

- **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** \( \text{IMPC}_{-} \text{OWT}_{-}008_{-}001 \mid v1.1 \)

- **simpleParameter**

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

**Description:** spleen_weight_to_body_weight_ratio

**Derivation:** \( \text{div('IMPC}_{-} \text{OWT}_{-}002_{-}001', 'IMPC}_{-} \text{OWT}_{-}001_{-}001' \) 

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**Left kidney weight to body weight ratio** \( \text{IMPC}_{-} \text{OWT}_{-}009_{-}001 \mid v1.1 \)

- **simpleParameter**

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

**Derivation:** \( \text{div('IMPC_OWT_003_001', 'IMPC_OWT_001_001')} \)

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**Right kidney weight to body weight ratio** IMPC_OWT_010_001 | v1.1

**simpleParameter**

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

**Description:** right_kidney_weight_to_body_weight_ratio

**Derivation:** \( \text{div('IMPC_OWT_004_001', 'IMPC_OWT_001_001')} \)

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**Epididymis weight to body weight ratio** IMPC_OWT_012_001 | v1.1

**simpleParameter**

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

**Description:** epididymis_weight_to_body_weight_ratio

**Derivation:** \( \text{div('IMPC_OWT_005_001', 'IMPC_OWT_001_001')} \)

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


Description: seminal_vesicle_weight_to_body_weight_ratio

Derivation: \( \text{div('IMPC_OWT_007_001', 'IMPC_OWT_001_001')} \)

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**Experimenter ID** IMPC_OWT_014_001 | v1.0

procedureMetadata


Description: experimenter_id

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

procedureMetadata


Description: date_of_sacrifice

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

procedureMetadata
Description: method_of_sacrifice

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**Equipment ID**  IMPC_OWT_017_001 | v1.0

Description: equipment_id

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

Description: date_equipment_last_calibrated

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**Equipment manufacturer**  IMPC_OWT_019_001 | v1.0

Description: equipment_manufacturer
**Equipment model**  IMPC_OWT_020_001 | v1.0

**Description:** equipment_model

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**Left testis weight**  IMPC_OWT_021_001 | v1.0

**Unit Measured:** g

**Description:** left_testis_weight

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**Right testis weight**  IMPC_OWT_022_001 | v1.0

**Unit Measured:** g

**Description:** right_testis_weight
Whole liver weight  IMPC_OWT_023_001 | v1.0


Unit Measured: g

Description: whole_liver_weight

Right lung all lobes weight  IMPC_OWT_024_001 | v1.0


Unit Measured: g

Description: right_lung_all_lobes_weight

Left lung weight  IMPC_OWT_025_001 | v1.0


Unit Measured: g

Description: left_lung_weight
Left testis weight to body weight ratio  IMPC_OWT_026_001  | v1.0

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

Description: right_testis_weight_to_body_weight_ratio

Derivation: div('IMPC_OWT_022_001', 'IMPC_OWT_001_001')

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

Description: whole_liver_weight_to_body_weight_ratio
Right lung all lobes weight to body weight ratio  

**IMPC_OWT_029_001 | v1.0**

*simpleParameter*

**Description:** right_lung_all_lobes_weight_to_body_weight_ratio

**Derivation:** `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**

*simpleParameter*

**Description:** left_lung_weight_to_body_weight_ratio

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

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Whole lung weight  

**IMPC_OWT_031_001 | v1.0**

*simpleParameter*

**Description:** whole_lung_weight

**Req. Analysis:** false **Req. Upload:** false **Is Annotated:** true
Unit Measured: g