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*


Unit Measured: g

Description: body_weight

---

**Spleen weight** IMPC_OWT_002_001 | v1.0

*simpleParameter*


Unit Measured: g
Description: spleen_weight

----------------------------------------

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


Unit Measured: g

Description: left_kidney_weight

----------------------------------------

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


Unit Measured: g

Description: right_kidney_weight

----------------------------------------

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

Unit Measured: g

Description: epididymis_weight

---

**Seminal vesicle weight** IMPC_OWT_007_001 | v1.0

SimpleParameter


Unit Measured: g

Description: seminal_vesicle_weight

---

**Spleen weight to body weight ratio** IMPC_OWT_008_001 | v1.1

SimpleParameter


Description: spleen_weight_to_body_weight_ratio

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

---

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

SimpleParameter

Description: left_kidney_weight_to_body_weight_ratio

Derivation: div('IMPC_OWT_003_001', 'IMPC_OWT_001_001')

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

simpleParameter


Description: right_kidney_weight_to_body_weight_ratio

Derivation: div('IMPC_OWT_004_001', 'IMPC_OWT_001_001')

Epididymis weight to body weight ratio IMPC_OWT_012_001 | v1.1

simpleParameter


Description: epididymis_weight_to_body_weight_ratio

Derivation: div('IMPC_OWT_005_001', 'IMPC_OWT_001_001')

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

**Description:** seminal_vesicle_weight_to_body_weight_ratio

**Derivation:** \( \text{div}(\text{IMPC}_\text{OWT}_007_001, \text{IMPC}_\text{OWT}_001_001) \)

---

**Experimenter ID** IMPC_OWT_014_001 | v1.0

**procedureMetadata**

**Description:** experimenter_id

---

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

**procedureMetadata**

**Description:** date_of_sacrifice

---

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

**procedureMetadata**
Description: method_of_sacrifice

---

**Equipment ID** IMPC_OWT_017_001 | v1.0

Description: equipment_id

---

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

Description: date_equipment_last_calibrated

---

**Equipment manufacturer** IMPC_OWT_019_001 | v1.0

Description: equipment_manufacturer
Equipment model  IMPC_OWT_020_001 | v1.0


Description: equipment_model

Left testis weight  IMPC_OWT_021_001 | v1.0


Unit Measured: g

Description: left_testis_weight

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

*simpleParameter*

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

**Unit Measured:** g  
**Description:** whole_liver_weight

---

**Right lung all lobes weight** IMPC_OWT_024_001 | v1.0

*simpleParameter*

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

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

---

**Left lung weight** IMPC_OWT_025_001 | v1.0

*simpleParameter*

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

**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

Description: right_lung_all_lobes_weight_to_body_weight_ratio

Derivation: div('IMPC_OWT_024_001', 'IMPC_OWT_001_001')

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

Description: left_lung_weight_to_body_weight_ratio

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

Whole lung weight IMPC_OWT_031_001 | v1.0

Description: whole_lung_weight

Derivation: div('IMPC_OWT_023_001', 'IMPC_OWT_001_001')
Unit Measured: g

Description: whole_lung_weight