Housing and Husbandry IMPC_HOU_002

Purpose

The housing and husbandry capture form is an institute overview form to capture how the animals are housed and cared for as the environment influences the observed phenotype. The questions have been based on the requirements of the Animal Research: Reporting In Vivo Experiments guidelines (ARRIVE)(Kilkenny PLOS One 2010), Gold Standard Publication Checklist (GSPC) reporting guidelines (Hooijmans ATLA 2010) and the GA passport (RSPCA 2010).

Notes

Each unique set of conditions within a specified timeframe is submitted by centres. Each centre may have multiple sets of active conditions within the same time-frame if some animals have different housing conditions depending on e.g. lifestage.

Submission identifier is used to identify a unique submission, and the same identifier is used if a set of conditions have corrected or updated details in a new submission, while new identifiers are used to identify each separate set of conditions.

Parameters and Metadata

**Pipeline ID(s)** IMPC_HOU_003_002 | v2.0

**procedureMetadata**

**Description:** pipeline_ids_applicable_to_housing_conditions

**Options:** BCM_001 + BCMIP_001 + BCMLA_001,
HMGU_001 + HMGUIP_001 + HMGULA_001 + HMGULA_002,
HRWL_001 + HRWLIP_001 + HRWLLA_001, ICS_001 + ICSIP_001 + ICSLA_001,
JAX_001 + JAXIP_001 + JAXLA_001, TCP_001 + TCPIP_001 + TCPLA_001,
IMPC_001 + RBRCP_001 + RBRCLA_001, IMPC_001 + KMPCIP_001 + KMPCCLA_001,
CCP_001, IMPC_001, TCP_001,
**Date effective from** IMPC_HOU_004_002 | v2.0

Procedure Metadata

Description: date_effective_from

---

**Date effective until** IMPC_HOU_005_002 | v2.0

Procedure Metadata

Description: date_effective_until

---

**Housing - temperature regulated** IMPC_HOU_009_001 | v1.0

Simple Parameter

Description: housing_temperature_regulated

Options: Yes, No,

---

**Housing - temperature range** IMPC_HOU_068_001 | v1.0

Simple Parameter

Description: housing_temperature_range

Options: Yes, No,
Unit Measured: C

Description: housing_temperature_range


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

**Housing - relative humidity regulated** IMPC_HOU_012_001 | v1.0

simpleParameter


Description: housing_relative_humidity_regulated

Options: Yes, No, Seasonally (not in winter),

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

**Housing - relative humidity range** IMPC_HOU_069_001 | v1.0

simpleParameter


Unit Measured: %

Description: housing_relative_humidity_range

Options: 60 - 70, 30 - 70, 45 - 65, 15 - 80, 44 - 59, 40 - 70, 30 - 55,

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

**Housing - ventilation managed** IMPC_HOU_015_001 | v1.0

simpleParameter
Housing - air changes per hour in the room (range)  IMPC_HOU_070_001 | v1.0

**Description:** housing_air_changes_per_hour_in_the_room_range

**Options:** 15 - 20, 10 - 15, 12, 20 - 25, 8 - 15, 12 - 15, 16 - 18,

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

Housing - IVC ventilation  IMPC_HOU_019_001 | v1.0

**Description:** housing_ivc_ventilation

**Options:** Yes, No,
Housing - air changes per hour in the IVC unit (range) IMPC_HOU_071_001 | v1.0

simpleParameter


Unit Measured: ACPH

Description: housing_ivc_ventilation Managed

Options: 15 - 20, 50 - 75, 60 - 80, 20, 65 - 75, 55 - 75, 30, 75 - 85, 70, 80, 45 - 60, 15 - 18,

Housing - light source IMPC_HOU_023_001 | v1.0

simpleParameter


Description: housing_light_source

Options: LED, Fluorescent, Neon,

Housing - light intensity (range) IMPC_HOU_072_001 | v1.0

simpleParameter


Unit Measured: Lux

Description: housing_light_intensity_range

Options: 100 - 400, 112 - 322, 250 - 650, 400 - 600, 300 - 1200, 150 - 300, Not quantified, 300 - 600, 200 - 350,
**Housing - time lights switched on** IMPC_HOU_027_001 | v1.0

*simpleParameter*

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

**Description:** housing_time_lights_switched_on

---

**Housing - time lights switched off** IMPC_HOU_028_001 | v1.0

*simpleParameter*

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

**Description:** housing_time_lights_switched_off

---

**Housing - cage manufacturer** IMPC_HOU_073_001 | v1.0

*simpleParameter*

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

**Description:** housing_cage_manufacturer

**Options:** Tecniplast, Thoren, Three shine, CLEA Japan, Animal Care Systems,

---

**Housing - cage model** IMPC_HOU_074_001 | v1.0
simpleParameter


Description: housing_cage_model

Options: GM500 IVC Green Line, Duplex II, Hi-TPX cage, MINI MVCS,

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

Housing - Racking system manufacturer  IMPC_HOU_075_001  v1.0

simpleParameter


Description: housing_rack_system_manufacturer

Options: Tecniplast, Thoren, Three shine, CLEA Japan, Animal Care Systems,

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

Housing - cage dimensions (L x W x H, in mm)  IMPC_HOU_076_001  v1.0

simpleParameter


Unit Measured: mm

Description: housing_cage_dimensions_lxwxh

Options: 160 X 199 X 391, 199 x 391 x 160, 398 x 215 x 187, 308 x 308 x 162, 240 x 125 x 120, 199 x 391 x 150, 405 x 205 x 158, 245 x 155 x 148, 400 x 147 x 120, 343 x 292 x 155, 380 x 190 x 160,
Housing - animals per cage - Female maximum IMPC_HOU_077_001 | v1.0

simpleParameter

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

Description: housing_female_animals_per_cage_max

Housing - animals per cage - Female minimum IMPC_HOU_078_001 | v1.0

simpleParameter

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

Description: housing_female_animals_per_cage_min

Housing - animals per cage - Male maximum IMPC_HOU_079_001 | v1.0

simpleParameter

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

Description: housing_male_animals_per_cage_max
**Housing - animals per cage - Male minimum**  IMPC_HOU_080_001 | v1.0  
simpleParameter

*Description*: housing_male_animals_per_cage_min

---

**Housing - bedding type**  IMPC_HOU_035_002 | v2.0  
simpleParameter

*Options*: Aspen wood chips, 1/4 inch corn cob, Pine shavings, Aspen shavings, Poplar wood shavings, Paper, Pelleted cellulose,

---

**Housing - bedding pre-treatment**  IMPC_HOU_036_001 | v1.0  
simpleParameter

*Options*: Irradiated, Autoclaved, No treatment,

---

**Housing - cage enrichment**  IMPC_HOU_037_002 | v2.0
simpleParameter

**Housing - frequency of cage cleaning** IMPC_HOU_038_001 | v1.0

**Description:** housing_frequency_of_cage_cleaning

**Options:** Weekly, Twice weekly, As required, Every two weeks, Every 11 days,

simpleParameter

**Housing - frequency of handling (excluding phenotyping)** IMPC_HOU_039_002 | v2.0

**Description:** housing_frequency_of_handling

**Increments:**

**Options:** During cage cleaning, Weekly, Every 3 days,
**Housing - frequency of animal welfare assessments**

**IMPC_HOU_081_001 | v1.0**

SimpleParameter

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

**Description:** housing_frequency_of_animal_welfare_assessments

**Options:** Weekly, Every 3 days, Daily,

**Nutrition - supplier of diet**

**IMPC_HOU_082_001 | v1.0**

SimpleParameter

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

**Description:** nutrition_diet_supplier

**Options:** Harlan Teklad, Altromin, SAFE, LabDiet, Envigo, Jiangsu Xietong Pharmaceutical Bio-engineering, CLEA Japan,

**Nutrition - product ID of diet**

**IMPC_HOU_083_001 | v1.0**

SimpleParameter

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

**Description:** nutrition_product_id

**Options:** 2920X, 1314, DO3, DO4, 5K52, 2018S, CE-2, 2918X, 5021, 5V5R,
**Nutrition - diet type** IMPC_HOU_041_001 | v1.0

*simpleParameter*

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

**Description:** nutrition_diet_type

**Options:** Natural-ingredient, Chemically-defined, Purified diet, Transgenic mouse special food,

---

**Nutrition - average composition (based on mass) - Carbohydrate** IMPC_HOU_043_002 | v2.0

*simpleParameter*

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

**Unit Measured:** %

**Description:** nutrition_average_composition_based_on_mass_carbohydrate

---

**Nutrition - average composition (based on mass) - Fat** IMPC_HOU_044_002 | v2.0

*simpleParameter*

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

**Unit Measured:** %

**Description:** nutrition_average_composition_based_on_mass_fat
**Nutrition - average composition (based on mass) - Protein**  
IMPC_HOU_045_002 | v2.0  
simpleParameter

**Unit Measured:** %

**Description:** nutrition_average_composition_based_on_mass_protein

---

**Nutrition - feeding regime (excluding fasting periods)**  
IMPC_HOU_050_001 | v1.0  
simpleParameter

**Options:** Ad libitum, Meal feeding, Restricted,

---

**Nutrition - source of lipids**  
IMPC_HOU_051_002 | v2.0  
simpleParameter

**Options:** Fish, Animal, Vegetable, Vegetable + Animal + Fish, Vegetable + Fish, Vegetable + Animal,
Water - pre-treatment  IMPC_HOU_053_002 | v1.0

**Description:** water_pre_treatment

**Options:** RO, Autoclaved, UV, Acidification, Chlorination, Filter sterilisation, RO + Quiprol treatment, No treatment, RO + Chlorination, UV + Filter sterilisation, UV + Autoclaved, RO + Autoclaved, RO + Acidification, Autoclaved + Chlorination + Filter sterilisation,

Water - schedule (quantity)  IMPC_HOU_054_001 | v1.0

**Description:** water_schedule_quantity

**Options:** Ad libitum, Meal feeding, Restricted,

Water - supply method  IMPC_HOU_055_001 | v1.0

**Description:** water_supply_method

**Options:**
Description: water_supply_method
Options: Bottle, Automatic water system,

Microbiological status - status of your centre IMPC_HOU_05
6_001 | v1.0
simpleParameter

Description: microbiological_status_status_of_your_centre
Options: SPF, Non-SPF,

Microbiological status - pathogens testing frequency IMP
C_HOU_084_001 | v1.0
simpleParameter

Description: microbiological_testing_frequency
Options: 3 months, 6 months, 12 months,

Phenotyping lifestage IMPC_HOU_085_001 | v1.0
procedureMetadata

Description: phenotyping_lifestage
Options: 

**Description**: phenotyping_lifestage

**Options**: Embryo, In-vivo, FER / VIA, All phenotyping,

---

**Water - quality monitored** IMPC_HOU_052_001 | v1.0

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

**Description**: water_quality_monitored

**Options**: Yes, No,

---

**Submission Identifier** IMPC_HOU_086_001 | v1.0

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

**Options**: BCM_1, GMC_1, H_1, ICS_1, J_1, TCP_1, RBRC_1, UCD_1, KMPC_1, CCPCZ_1, TCP_NorCOMM2, TCP_KOMP2_Phase1, TCP_KOMP2_Phase2,