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 + HMGU01 + 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 + RBRCIP_001 + RBRCILA_001, IMPC_001 + KMPCIP_001 + KMPCLA_001,
CCP_001, IMPC_001, TCP_001,
Date effective from  IMPC_HOU_004_002 | v2.0

Description: date_effective_from

Date effective until  IMPC_HOU_005_002 | v2.0

Description: date_effective_until

Housing - temperature regulated  IMPC_HOU_009_001 | v1.0

Description: housing_temperature_regulated
Options: Yes, No,
simpleParameter

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

- **Unit Measured:** %
- **Description:** housing_relative_humidity_regulated
- **Options:** Yes, No, Seasonally (not in winter),

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

- **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*

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

**Description:** housing_ventilation_managed

**Options:** Yes, No,

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

*simpleParameter*

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

**Unit Measured:** ACPH

**Description:** housing_air_changes_per_hour_in_the_room_range

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

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**Housing - IVC ventilation** IMPC_HOU_019_001 | v1.0

*simpleParameter*

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

**Options**: Yes, No,

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**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,

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**Housing - light source** IMPC_HOU_023_001 | v1.0

*simpleParameter*


**Description**: housing_light_source

**Options**: LED, Fluorescent, Neon,

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**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

Description: housing_time_lights_switched_on

Housing - time lights switched off IMPC_HOU_028_001 | v1.0

Description: housing_time_lights_switched_off

Housing - cage manufacturer IMPC_HOU_073_001 | v1.0
housing_cage_manufacturer

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

Housing - cage model IMPC_HOU_074_001 | v1.0

simpleParameter

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

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


Description: housing_female_animals_per_cage_max

Housing - animals per cage - Female minimum IMPC_HOU_078
_001 | v1.0

simpleParameter


Description: housing_female_animals_per_cage_min
Housing - animals per cage - Male maximum IMPC_HOU_079_0
01 | v1.0
simpleParameter


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


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

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

*simpleParameter*

<table>
<thead>
<tr>
<th>Req. Analysis</th>
<th>Req. Upload</th>
<th>Is Annotated</th>
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<tr>
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**Description:** housing_bedding_pre_treatment

**Options:** Irradiated, Autoclaved, No treatment,

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

*simpleParameter*

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**Description:** housing_cage_enrichment

**Options:** Nestlets, Houses (paper), Houses (plastic), Tunnel (plastic), Tunnel (cardboard), Shredded paper, Shredded paper / Tunnel (plastic), Shredded paper / Tunnel (cardboard), Nestlets / Tunnel (cardboard), Nestlets if singly housed,

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

*simpleParameter*
Description: housing_frequency_of_cage_cleaning

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

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

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,

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**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,

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**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


Unit Measured: %

Description: nutrition_average_composition_based_on_mass_carbohydrate

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

simpleParameter


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

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

**simpleParameter**


Description: nutrition_feeding_regime_excluding_fasting_periods

Options: Ad libitum, Meal feeding, Restricted,

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

**simpleParameter**


Description: nutrition_source_of_lipids

Options: Fish, Animal, Vegetable, Vegetable + Animal, Vegetable + Fish, Vegetable + Animal + Fish,

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**Water - pre-treatment** IMPC_HOU_053_002 | v1.0

**simpleParameter**
**Description:** water_pre_treatment

**Increments:**

**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,

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**Water - schedule (quantity)** IMPC_HOU_054_001 | v1.0

**simpleParameter**

**Description:** water_schedule_quantity

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

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**Water - supply method** IMPC_HOU_055_001 | v1.0

**simpleParameter**

**Description:** water_supply_method

**Options:** Bottle, Automatic water system,
**Microbiological status - status of your centre**  IMPC_HOU_056_0

| v1.0 | simpleParameter |

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

**Description:** microbiological_status_status_of_your_centre

**Options:** SPF, Non-SPF,

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**Microbiological status - pathogens testing frequency**  IMPC_HOU_084_001 | v1.0

| simpleParameter |

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

**Description:** microbiological_testing_frequency

**Options:** 3 months, 6 months, 12 months,

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**Phenotyping lifestage**  IMPC_HOU_085_001 | v1.0

| procedureMetadata |

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

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

Water - quality monitored  IMPC_HOU_052_001 | v1.0

simpleParameter


Description: water_quality_monitored

Options: Yes, No,

Submission Identifier  IMPC_HOU_086_001 | v1.0

procedureMetadata


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,