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**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Req. Analysis</td>
<td>false</td>
</tr>
<tr>
<td>Req. Upload</td>
<td>true</td>
</tr>
<tr>
<td>Is Annotated</td>
<td>false</td>
</tr>
</tbody>
</table>

**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 + RBRCIP_001 + RBRCULA_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

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

Description: date_effective_until

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

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**

*simpleParameter*

**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*

**Description:** housing_ivc_ventilation

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

**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

**Description:** 
housing_light_source

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

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

**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

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

**Description:** housing_time_lights_switched_off

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

**Description:** housing_cage_manufacturer

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

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

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

**housing_rack_system_manufacturer**

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

**housing_cage_dimensions_lxwxh**

*Description:* 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

Description: housing_female_animals_per_cage_max

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

Description: housing_female_animals_per_cage_min

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

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

*Description:* housing_male_animals_per_cage_min

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

*Description:* housing_bedding_type

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

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

*Description:* housing_bedding_pre_treatment

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

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**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

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

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

**Description:** nutrition_diet_type

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

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

**Unit Measured:** %

**Description:** nutrition_average_composition_based_on_mass_carbohydrate

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

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

*simpleParameter*

**Description:** water_pre_treatment

**Increments:**
- 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

*simpleParameter*

**Description:** water_schedule_quantity

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

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

*simpleParameter*

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

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

**Microbiological status - status of your centre** IMPC_HOU_05

6_001 | v1.0

**Description:** microbiological_status_status_of_your_centre

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

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

**Description:** microbiological_testing_frequency

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

**Phenotyping lifestage** IMPC_HOU_085_001 | v1.0

**procedureMetadata**
**Description:** phenotyping_lifestage

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

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**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,

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**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,