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 + RBRCIP_001 + RBRCCLA_001, IMPC_001 + KMPCIP_001 + KMPCLA_001, CCP_001, IMPC_001, TCP_001,

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**Req. Analysis:** false  **Req. Upload:** true  **Is Annotated:** false
**Date effective from** IMPC_HOU_004_002 | v2.0

*procedureMetadata*


Description: date_effective_from

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

*procedureMetadata*


Description: date_effective_until

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

*simpleParameter*


Description: housing_temperature_regulated

Options: Yes, No,

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

*simpleParameter*

Unit Measured: C

Description: housing_temperature_range


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

*simpleParameter*


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

*simpleParameter*


Unit Measured: %

Description: housing_relative_humidity_range

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

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

*simpleParameter*
Description: housing_ventilation.managed
Options: Yes, No,

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**

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

**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**

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

**Description:** housing_light_source

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

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

**simpleParameter**

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

**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


Description: housing_time_lights_switched_on

Housing - time lights switched off  IMPC_HOU_028_001 | v1.0

simpleParameter


Description: housing_time_lights_switched_off

Housing - cage manufacturer  IMPC_HOU_073_001 | v1.0

simpleParameter


Description: housing_cage_manufacturer

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

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

**housing_rack_system_manufacturer**

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

**housing_cage_dimensions**

**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

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**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

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**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


Description: housing_bedding_type

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


Description: housing_bedding_pre_treatment

Options: Irradiated, Autoclaved, No treatment,

Housing - cage enrichment IMPC_HOU_037_002 | v2.0
simpleParameter

**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 (plastic), Nestlets if singly housed.

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**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

simpleParameter

**Description:** housing_frequency_of_animal_welfare_assessments

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

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**Nutrition - supplier of diet** IMPC_HOU_082_001 | v1.0

simpleParameter

**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

**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,

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**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

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**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*

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

*Unit Measured:* %

*Description:* nutrition_average_composition_based_on_mass_protein

**Nutrition - feeding regime (excluding fasting periods)**

IMPC_HOU_050_001 | v1.0

*simpleParameter*

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

*Description:* nutrition_feeding_regime_excluding_fasting_periods

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

**Nutrition - source of lipids**

IMPC_HOU_051_002 | v2.0

*simpleParameter*

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

*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:**

**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

*simpleParameter*

**Description:** water_schedule_quantity

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

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

*simpleParameter*
**Description:** water_supply_method

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

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

**6_001 | 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

**C_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

**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,