Housing and Husbandry IMPC_HOU_001

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

Data is collected at a minimum annually by a survey. This survey is then used to generate XML to populate the database.

To account for variation within an institution across pipelines or projects, there is an option to submit up to two blocks of information which are distinguished by the pipeline and project information provided. To account for variation, for an institution, within a pipeline there is an option to submit up to three blocks of information and provide stage information (age and procedures completed) to distinguish the blocks.

Parameters and Metadata

**Submitter ID** IMPC_HOU_001_001 | v1.0

`simpleParameter`


**Description:** submitter_id

Phenotyping project(s) IMPC_HOU_002_001 | v1.0

`seriesParameter`
Description: phenotyping_project_s
Increments: Minimum 1

Pipeline ID(s) IMPC_HOU_003_001 | v1.0
Description: pipeline_id_s
Increments: Minimum 1

Start Date IMPC_HOU_004_001 | v1.0
Description: start_date

End Date IMPC_HOU_005_001 | v1.0
Description: end_date

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**Stage of the pipeline(s) - Start Week** IMPC_HOU_006_001 | v1.0

simpleParameter


Description: stage_of_the_pipeline_s_start_week

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**Stage of the pipeline(s) - End Week** IMPC_HOU_007_001 | v1.0

simpleParameter


Description: stage_of_the_pipeline_s_end_week

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**Procedure IDs associated with this block** IMPC_HOU_008_001 | v1.0

seriesParameter


Description: procedure_ids_associated_with_this_stage_of_the_pipeline_s
Increments: Minimum 1

Housing - temperature regulated IMPC_HOU_009_001 | v1.0


Description: housing_temperature_regulated

Options: Yes, No,

Housing - temperature range - Minimum IMPC_HOU_010_001 | v1.0


Unit Measured: C

Description: housing_temperature_range_minimum

Housing - temperature range - Maximum IMPC_HOU_011_001 | v1.0

**Unit Measured:** C

**Description:** housing_temperature_range_maximum

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

**simpleParameter**

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

**Description:** housing_relative_humidity_regulated

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

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**Housing - relative humidity range - Minimum** IMPC_HOU_013_0

01 | v1.0

**simpleParameter**

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

**Unit Measured:** %

**Description:** housing_relative_humidity_range_minimum

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**Housing - relative humidity range - Maximum** IMPC_HOU_014_0

01 | v1.0

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

simpleParameter

Description: housing_ventilation_managed

Options: Negative, Positive, Passive,

Housing - air changes per hour in the room - Minimum  IMP C_HOU_016_001 | v1.0

simpleParameter

Description: housing_air_changes_per_hour_in_the_room_minimum
Housing - air changes per hour in the room - Maximum

C_HOU_017_001 | v1.0

simpleParameter


Description: housing_air_changes_per_hour_in_the_room_maximum

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Housing - air changes per hour in the room - Units

IMPC_HOU_018_001 | v1.0

simpleParameter


Description: housing_air_changes_per_hour_in_the_room_units

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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 - Minimum
IMPC_HOU_020_001 | v1.0

simpleParameter


Description: housing_air_changes_per_hour_in_the_ivc_unit_minimum

Housing - air changes per hour in the IVC unit - Maximum
IMPC_HOU_021_001 | v1.0

simpleParameter


Description: housing_air_changes_per_hour_in_the_ivc_unit_maximum

Housing - air changes per hour in the IVC unit - Units
IMPC_HOU_022_001 | v1.0

simpleParameter


Description: housing_air_changes_per_hour_in_the_ivc_unit_units

Housing - light source
IMPC_HOU_023_001 | v1.0
simpleParameter

**Description**: housing_light_source

**Options**: LED, Florescent, Incandescent,

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**Housing - can you quantify the light intensity range experienced**  IMPC_HOU_024_001 | v1.0

simpleParameter

**Description**: housing_can_you_quantify_the_light_intensity_range_experienced

**Options**: Yes, No,

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**Housing - light intensity range - Minimum**  IMPC_HOU_025_001 | v1.0

simpleParameter

**Unit Measured**: Lux

**Description**: housing_light_intensity_range_minimum
**Housing - light intensity range - Maximum**  IMPC_HOU_026_001 | v1.0

```
<table>
<thead>
<tr>
<th>simpleParameter</th>
</tr>
</thead>
</table>

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

**Unit Measured:** Lux

**Description:** housing_light_intensity_range_maximum

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**Housing - time lights switched on**  IMPC_HOU_027_001 | v1.0

```
<table>
<thead>
<tr>
<th>simpleParameter</th>
</tr>
</thead>
</table>

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

**Description:** housing_time_lights_switched_on

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

```
<table>
<thead>
<tr>
<th>simpleParameter</th>
</tr>
</thead>
</table>

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

**Description:** housing_time_lights_switched_off

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Housing - cage manufacturer and racking system  IMPC_HOU_029_001 | v1.0

Description: housing_cage_manufacturer_and_racking_system

Housing - cage dimensions - Height  IMPC_HOU_030_001 | v1.0

Unit Measured: mm

Description: housing_cage_dimensions_height

Housing - cage dimensions - Length  IMPC_HOU_031_001 | v1.0

Unit Measured: mm

Description: housing_cage_dimensions_length
Housing - cage dimensions - Width IMPC_HOU_032_001 | v1.0


Unit Measured: mm

Description: housing_cage_dimensions_width

Housing - animals per cage - Minimum IMPC_HOU_033_001 | v1.0


Description: housing_animals_per_cage_minimum

Housing - animals per cage - Maximum IMPC_HOU_034_001 | v1.0


Description: housing_animals_per_cage_maximum

Housing - bedding type IMPC_HOU_035_001 | v1.0

### 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_001 | v1.0**

**simpleParameter**

**Description:** housing_cage_enrichment

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

**simpleParameter**

**Description:**
**Description:** housing_frequency_of_cage_cleaning

**Options:** Weekly, Biweekly, As required,

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**Housing - frequency of handling** IMPC_HOU_039_001 | v1.1

*seriesParameter*

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

**Description:** housing_frequency_of_handling

**Increments:** Minimum 1

**Options:** Weekly (assessment), During cage cleaning, During phenotyping procedures, During cage cleaning/During phenotyping procedures,

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**Nutrition - supplier and product ID of diet** IMPC_HOU_040_001 | v1.0

*simpleParameter*

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

**Description:** nutrition_supplier_and_product_id_of_diet

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**Nutrition - diet type** IMPC_HOU_041_001 | v1.0

*simpleParameter*
**Nutrition - do you know the composition of the diet (average based on mass)** IMPC_HOU_042_001 | v1.0

simpleParameter

**Nutrition - average composition (based on mass) - Carbohydrate** IMPC_HOU_043_001 | v1.0

simpleParameter
Nutrition - average composition (based on mass) - Fat
IMPC_HOU_044_001 | v1.0

simpleParameter


Unit Measured: %

Description: nutrition_average_composition_based_on_mass_fat

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Nutrition - average composition (based on mass) - Protein
IMPC_HOU_045_001 | v1.0

simpleParameter


Unit Measured: %

Description: nutrition_average_composition_based_on_mass_protein

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Nutrition - do you know the composition of the diet (average based on calorific content)
IMPC_HOU_046_001 | v1.0

simpleParameter


Description:
nutrition_do_you_know_the_composition_of_the_diet_average_based_on_calorific_content
Options: Yes, No,

Nutrition - average composition (based on calorific content) - Carbohydrate IMPC_HOU_047_001 | v1.0

simpleParameter


Unit Measured: %

Description: nutrition_average_composition_based_on_calorific_content_carbohydrate

Nutrition - average composition (based on calorific content) - Fat IMPC_HOU_048_001 | v1.0

simpleParameter


Unit Measured: %

Description: nutrition_average_composition_based_on_calorific_content_fat

Nutrition - average composition (based on calorific content) - Protein IMPC_HOU_049_001 | v1.0

simpleParameter
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,

Nutrition - source of lipids  IMPC_HOU_051_001  | v1.2

seriesParameter

Description: nutrition_source_of_lipids

Increments: Minimum 1

Options: Fish, Animal, Vegetable,
**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,

**Water - pre-treatment**  IMPC_HOU_053_001 | v1.0

*seriesParameter*

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

**Description:** water_pre_treatment

**Increments:** Minimum 1

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

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

*simpleParameter*

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

**Description:** water_schedule_quantity

**Options:** Ad libitum, Meal feeding, Restricted,
Water - supply method  IMPC_HOU_055_001 | v1.0

**Description:** water_supply_method

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

Microbiological status - status of your centre  IMPC_HOU_056_001 | v1.0

**Description:** microbiological_status_status_of_your_centre

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

Microbiological status - method used to protect the status  IMPC_HOU_057_001 | v1.0

**Description:** microbiological_status_method_used_to_protect_the_status
Description: microbiological_status_method_used_to_protect_the_status
Options: Open-system, Individually ventilated cage racks, Isolation unit,

Microbiological status - closed barrier detail IMPC_HOU_058_001
| v1.0
simpleParameter

Description: microbiological_status_closed_barrier_detail
Options: No external live animals, Selected commercial sources,
Selected commercial sources & rederivation or embryo transfer,

Microbiological status - quarantine method IMPC_HOU_059_001
| v1.0
simpleParameter

Description: microbiological_status_quarantine_method
Options: Rederivations, Micro testing, None,
Microbiological status - live animals allowed to join the unit IMPC_HOU_060_001 | v1.0

simpleParameter


Description: microbiological_status_live_animals_allowed_to_join_the_unit

Options: Yes, No,

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Microbiological status - acclimation period for live animals - Minimum IMPC_HOU_061_001 | v1.0

simpleParameter


Unit Measured: week

Description: microbiological_status_acclimation_period_for_live_animals_minimum

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Microbiological status - acclimation period for live animals - Maximum IMPC_HOU_062_001 | v1.0

simpleParameter


Unit Measured: week

Description: microbiological_status_acclimation_period_for_live_animals_maximum
Microbiological status - pathogens tested for  IMPC_HOU_063_0
01 | v1.0
seriesParameter


Description: microbiological_status_pathogens_tested_for

Increments: Minimum 1

Microbiological status - is your unit positive for any of the pathogens tested  IMPC_HOU_064_001 | v1.0
simpleParameter


Description:
microbiological_status_is_your_unit_positive_for_any_of_the_pathogens_tested

Options: Yes, No,

Microbiological status - pathogens your unit is positive for  IMPC_HOU_065_001 | v1.3
seriesParameter
Description: microbiological_status_pathogens_your_unit_is_positive_for

Increments: Minimum 1

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**Nutrition - do you know the source of lipids** IMPC_HOU_066_001 | v1.3

Options: Yes, No,

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**Block descriptor** IMPC_HOU_067_001 | v1.1

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