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

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

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

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


Description: stage_of_the_pipeline_s_start_week

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


Description: stage_of_the_pipeline_s_end_week

Procedure IDs associated with this block IMPC_HOU_008_001 | v1
.seriesParameter


Description: procedure_ids_associated_with_this_stage_of_the_pipeline_s
**Increments:** Minimum 1

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

*simpleParameter*

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

**Description:** housing_temperature_regulated

**Options:** Yes, No,

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**Housing - temperature range - Minimum** IMPC_HOU_010_001 | v1.0

*simpleParameter*

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

**Unit Measured:** C

**Description:** housing_temperature_range_minimum

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**Housing - temperature range - Maximum** IMPC_HOU_011_001 | v1.0

*simpleParameter*

**Req. Analysis:** false  
**Req. Upload:** true  
**Is Annotated:** false
Unit Measured: C

Description: housing_temperature_range_maximum

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 - Minimum IMPC_HOU_013_01 | v1.0

simpleParameter


Unit Measured: %

Description: housing_relative_humidity_range_minimum

Housing - relative humidity range - Maximum IMPC_HOU_014_01 | v1.0

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

**simpleParameter**

**Description:** housing_ventilation_managed

**Options:** Negative, Positive, Passive,

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**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**

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

**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**

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

**Description:** housing_air_changes_per_hour_in_the_room_units

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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,
**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

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**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

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**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

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**Housing - light source**

IMPC_HOU_023_001 | v1.0
Housing - can you quantify the light intensity range experienced IMPC_HOU_024_001 | v1.0

Housing - light intensity range - Minimum IMPC_HOU_025_001 | v1.0
Housing - light intensity range - Maximum  IMPC_HOU_026_001 | v1.0

simpleParameter


Unit Measured: Lux

Description: housing_light_intensity_range_maximum

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 and racking system IMPC_HOU_029_001 | v1.0

simpleParameter


Description: housing_cage_manufacturer_and_racking_system

Housing - cage dimensions - Height IMPC_HOU_030_001 | v1.0

simpleParameter


Unit Measured: mm

Description: housing_cage_dimensions_height

Housing - cage dimensions - Length IMPC_HOU_031_001 | v1.0

simpleParameter


Unit Measured: mm

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

**simpleParameter**

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

Unit Measured: mm

Description: housing_cage_dimensions_width

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

**simpleParameter**

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

Description: housing_animals_per_cage_minimum

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

**simpleParameter**

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

Description: housing_animals_per_cage_maximum

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**Housing - bedding type** IMPC_HOU_035_001 | v1.0

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

Options: Weekly, Biweekly, As required,

Housing - frequency of handling IMPC_HOU_039_001 | v1.1

seriesParameter

Description: housing_frequency_of_handling

Increments: Minimum 1

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

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

simpleParameter

Description: nutrition_supplier_and_product_id_of_diet

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

**Description:**
nutrition_do_you_know_the_composition_of_the_diet_average_based_on_mass

**Options:** Yes, No,
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
**Nutrition - average composition (based on calorific content) - Carbohydrate** IMPC_HOU_047_001 | v1.0

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

**Unit Measured:** %

**Description:** nutrition_average_composition_based_on_calorific_content_carbohydrate

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

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

**Unit Measured:** %

**Description:** nutrition_average_composition_based_on_calorific_content_fat

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

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simpleParameter
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**Req. Analysis:** false  
**Req. Upload:** false  
**Is Annotated:** false
Unit Measured: %

Description: nutrition_average_composition_based_on_calorific_content_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_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,

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**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,

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**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,

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

**Description:** microbiological_status_status_of_your_centre

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

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

**Description:**

**Options:**
**Microbiological status - closed barrier detail** IMPC_HOU_058_001
| v1.0

Description: microbiological_status_closed_barrier_detail

Options: No external live animals, Selected commercial sources, Selected commercial sources & rederivation or embryo transfer,
**Microbiological status - live animals allowed to join the unit**  IMPC_HOU_060_001 | v1.0

*simpleParameter*

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

**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*

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

**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*

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

**Unit Measured:** week

**Description:** microbiological_status_acclimation_period_for_live_animals_maximum
Microbiological status - pathogens tested for IMPC_HOU_063_0

seriesParameter


Description: microbiological_status_pathogens_tested_for

Increments: Minimum 1

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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,

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Microbiological status - pathogens your unit is positive for IMPC_HOU_065_001 | v1.3

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

Options: Yes, No,