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

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

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 + RBRCLA_001, IMPC_001 + KMPCIP_001 + KMPCLA_001,
CCP_001, IMPC_001, TCP_001,

Date effective from IMPC_HOU_004_002 | v2.0

procedureMetadata

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

Description: date_effective_from

Date effective until IMPC_HOU_005_002 | v2.0

procedureMetadata

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

Description: date_effective_until

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,

Housing - temperature range IMPC_HOU_068_001 | v1.0

simpleParameter

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

Unit Measured: C

Description: housing_temperature_range

Options: 18 - 22, 20 - 21, 20 - 24, 19 - 21, 18 - 24, 20 - 22, 19 - 23, 21 - 25, 22 - 25, 20 - 26, 21 - 22,

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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),

Housing - relative humidity range IMPC_HOU_069_001 | v1.0

simpleParameter

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

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,

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,

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,

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,

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Housing - time lights switched on IMPC_HOU_027_001 | v1.0

simpleParameter

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

Description: housing_time_lights_switched_on

Housing - time lights switched off IMPC_HOU_028_001 | v1.0

simpleParameter

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

Description: housing_time_lights_switched_off

Housing - cage manufacturer IMPC_HOU_073_001 | v1.0

simpleParameter

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

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

simpleParameter

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

Description: housing_cage_model

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

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Housing - Racking system manufacturer IMPC_HOU_075_001 | v1.0

simpleParameter

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

Description: housing_rack_system_manufacturer

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

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Housing - cage dimensions (L x W x H, in mm) IMPC_HOU_076_001 | v1.0

simpleParameter

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

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,

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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

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

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

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

Description: housing_male_animals_per_cage_min

Housing - bedding type IMPC_HOU_035_002 | v2.0

simpleParameter

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

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

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

Description: housing_bedding_pre_treatment

Options: Irradiated, Autoclaved, No treatment,

Housing - cage enrichment IMPC_HOU_037_002 | v2.0

simpleParameter

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

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 (carboard), Nestlets if singly housed,

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Housing - frequency of cage cleaning IMPC_HOU_038_001 | v1.0

simpleParameter

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

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

simpleParameter

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

Description: housing_frequency_of_handling

Options: During cage cleaning, Weekly, Every 3 days,

Housing - frequency of animal welfare assessments IMPC_HOU_081_001 | v1.0

simpleParameter

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

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,

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

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

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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,

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Water - pre-treatment IMPC_HOU_053_002 | v1.0

simpleParameter

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

Description: water_pre_treatment

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

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

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_056_001 | v1.0

simpleParameter

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

Description: microbiological_status_status_of_your_centre

Options: SPF, Non-SPF,

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,

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

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

Description: water_quality_monitored

Options: Yes, No,

Submission Identifier IMPC_HOU_086_001 | v1.0

procedureMetadata

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

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,