Experimental design IMPC_EXD_001

Purpose

The experimental workflow capture form is an institute overview form to capture how the phenotyping procedures are implemented. The questions have been based on the requirements of the Animal Research: Reporting In Vivo Experiments guidelines (ARRIVE) (Kilkenny PLOS One 2010), and Gold Standard Publication Checklist (GSPC) reporting guidelines (Hooijmans ATLA 2010).

Notes

Data is collected at a minimum annually.

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.

The questions are based on the ontology developed to describe experimental implementation by the IMPC Statistics technical group. The ontology can be examined at http://bioportal.bioontology.org/ontologies/3180

Parameters and Metadata

Submitter ID IMPC_EXD_001_001 | v1.1

simpleParameter

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

Description: submitter_id

Name of phenotyping project IMPC_EXD_002_001 | v1.1

seriesParameter

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

Description: name_of_phenotyping_project

Increments: Minimum 1

Name of pipeline IMPC_EXD_003_001 | v1.1

seriesParameter

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

Description: name_of_pipeline

Increments: Minimum 1

Start date IMPC_EXD_004_001 | v1.1

simpleParameter

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

Description: start_date

End date IMPC_EXD_005_001 | v1.1

simpleParameter

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

Description: end_date

Control design IMPC_EXD_006_001 | v1.0

seriesParameter

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

Description: control_design

Increments: Minimum 1

Options: Littermate control, Line mate control, Pooled genetic control, Production colony control,

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Frequency of controls IMPC_EXD_007_001 | v1.0

simpleParameter

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

Description: frequency_of_controls

Options: Parallel control with knockout, Weekly control, Biweekly control, Regular control with phenotyping run (same week), Monthly control,

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Number male controls IMPC_EXD_008_001 | v1.0

simpleParameter

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

Description: number_male_controls

Number female controls IMPC_EXD_009_001 | v1.0

simpleParameter

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

Description: number_female_controls

Genetic background IMPC_EXD_010_001 | v1.0

seriesParameter

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

Description: genetic_background

Increments: Minimum 1

Controls and knockout same source IMPC_EXD_011_001 | v1.0

simpleParameter

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

Description: controls_and_knockout_same_source

Options: Yes, No,

Control animal source IMPC_EXD_012_001 | v1.0

simpleParameter

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

Description: control_animal_source

Core colony source IMPC_EXD_013_001 | v1.0

simpleParameter

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

Description: core_colony_source

Options: Internally sourced, Externally sourced,

Core stock strategy IMPC_EXD_014_001 | v1.0

simpleParameter

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

Description: core_stock_strategy

Options: Control breeding, Externally managed control, Uncontrolled stock management,

---

Knockout batch strategy IMPC_EXD_015_001 | v1.0

simpleParameter

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

Description: knockout_batch_strategy

Options: Single batch, Single batch per sex, Single batch mixed, Multiple batches, Variable batch,

---

Blinding - Body Weight IMPC_EXD_016_001 | v1.0

simpleParameter

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

Description: blinding_body_weight

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - CSD IMPC_EXD_017_001 | v1.0

simpleParameter

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

Description: blinding_csd

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Grip strength IMPC_EXD_018_001 | v1.0

simpleParameter

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

Description: blinding_grip_strength

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Acoustic startle IMPC_EXD_019_001 | v1.0

simpleParameter

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

Description: blinding_acoustic_startle

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Calorimetry IMPC_EXD_020_001 | v1.0

simpleParameter

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

Description: blinding_calorimetry

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - IPGTT IMPC_EXD_021_001 | v1.0

simpleParameter

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

Description: blinding_ipgtt

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - ABR collection IMPC_EXD_022_001 | v1.0

simpleParameter

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

Description: blinding_abr_collection

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - ABR annotation IMPC_EXD_023_001 | v1.0

simpleParameter

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

Description: blinding_abr_annotation

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - DEXA IMPC_EXD_024_001 | v1.0

simpleParameter

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

Description: blinding_dexa

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - X-ray imaging IMPC_EXD_025_001 | v1.0

simpleParameter

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

Description: blinding_x_ray_imaging

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - X-ray annotation IMPC_EXD_026_001 | v1.0

simpleParameter

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

Description: blinding_x_ray_annotation

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Slit lamp collection IMPC_EXD_027_001 | v1.0

simpleParameter

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

Description: blinding_slit_lamp_collection

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Slit lamp annotation IMPC_EXD_028_001 | v1.0

simpleParameter

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

Description: blinding_slit_lamp_annotation

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Ophthalmoscope collection IMPC_EXD_029_001 | v1.0

simpleParameter

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

Description: blinding_ophthalmoscope_collection

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Ophthalmoscope annotation IMPC_EXD_030_001 | v1.0

simpleParameter

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

Description: blinding_ophthalmoscope_annotation

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Hematology IMPC_EXD_031_001 | v1.0

simpleParameter

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

Description: blinding_hematology

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Clinical chemistry IMPC_EXD_032_001 | v1.0

simpleParameter

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

Description: blinding_clinical_chemistry

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Insulin IMPC_EXD_033_001 | v1.0

simpleParameter

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

Description: blinding_insulin

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Immunophenotyping collection IMPC_EXD_034_001 | v1.0

simpleParameter

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

Description: blinding_immunophenotyping_collection

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Immunophenotyping annotation IMPC_EXD_035_001 | v1.0

simpleParameter

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

Description: blinding_immunophenotyping_annotation

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Heart weight IMPC_EXD_036_001 | v1.0

simpleParameter

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

Description: blinding_heart_weight

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Open field IMPC_EXD_037_001 | v1.0

simpleParameter

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

Description: blinding_open_field

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

Blinding - Gross pathology collection IMPC_EXD_038_001 | v1.0

simpleParameter

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

Description: blinding_gross_pathology_collection

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Gross pathology annotation IMPC_EXD_039_001 | v1.0

simpleParameter

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

Description: blinding_gross_pathology_annotation

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - ECG IMPC_EXD_040_001 | v1.0

simpleParameter

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

Description: blinding_ecg

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Echo IMPC_EXD_041_001 | v1.0

simpleParameter

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

Description: blinding_echo

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Plethysmography IMPC_EXD_042_001 | v1.0

simpleParameter

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

Description: blinding_plethysmography

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Adult Lac Z collection IMPC_EXD_043_001 | v1.0

simpleParameter

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

Description: blinding_adult_lac_z_collection

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

Blinding - Adult Lac Z annotation IMPC_EXD_044_001 | v1.0

simpleParameter

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

Description: blinding_adult_lac_z_annotation

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Embryo Lac Z collection IMPC_EXD_045_001 | v1.0

simpleParameter

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

Description: blinding_embryo_lac_z_collection

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Blinding - Embryo Lac Z annotation IMPC_EXD_046_001 | v1.0

simpleParameter

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

Description: blinding_embryo_lac_z_annotation

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,

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Instrumentation effects - Body weight IMPC_EXD_047_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_body_weight

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy,
Active randomisation and minimisation instrumentation strategy,
Causal randomisation instrumentation strategy,
Causal randomisation and minimisation instrumentation strategy, Test not run,

---

Instrumentation effects - Heart weight IMPC_EXD_048_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_heart_weight

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy,
Active randomisation and minimisation instrumentation strategy,
Causal randomisation instrumentation strategy,
Causal randomisation and minimisation instrumentation strategy, Test not run,

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Instrumentation effects - Grip strength IMPC_EXD_049_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_grip_strength

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy,
Causal randomisation instrumentation strategy,
Causal randomisation and minimisation instrumentation strategy, Test not run,

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Instrumentation effects - Acoustic startle IMPC_EXD_050_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_acoustic_startle

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy,
Causal randomisation instrumentation strategy,
Causal randomisation and minimisation instrumentation strategy, Test not run,

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Instrumentation effects - Calorimetry IMPC_EXD_051_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_calorimetry

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy, Causal randomisation instrumentation strategy, Causal randomisation and minimisation instrumentation strategy, Test not run,

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Instrumentation effects - IPGTT IMPC_EXD_052_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_ipgtt

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy, Causal randomisation instrumentation strategy, Causal randomisation and minimisation instrumentation strategy, Test not run,

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Instrumentation effects - ABR IMPC_EXD_053_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_abr

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy, Causal randomisation instrumentation strategy, Causal randomisation and minimisation instrumentation strategy, Test not run,

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Instrumentation effects - DEXA IMPC_EXD_054_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_dexa

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy,
Causal randomisation instrumentation strategy,
Causal randomisation and minimisation instrumentation strategy, Test not run,

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Instrumentation effects - Slit lamp IMPC_EXD_055_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_slit_lamp

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy,
Causal randomisation instrumentation strategy,
Causal randomisation and minimisation instrumentation strategy, Test not run,

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Instrumentation effects - Ophthalmoscope IMPC_EXD_056_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_ophthalmoscope

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy,
Causal randomisation instrumentation strategy,
Causal randomisation and minimisation instrumentation strategy, Test not run,

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Instrumentation effects - Hematology IMPC_EXD_057_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_hematology

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy,
Causal randomisation instrumentation strategy,
Causal randomisation and minimisation instrumentation strategy, Test not run,

---

Instrumentation effects - Clinical chemistry IMPC_EXD_058_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_clinical_chemistry

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy,
Causal randomisation instrumentation strategy,
Causal randomisation and minimisation instrumentation strategy, Test not run,

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Instrumentation effects - Immunophenotyping IMPC_EXD_059_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_immunophenotyping

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy,
Causal randomisation instrumentation strategy,
Causal randomisation and minimisation instrumentation strategy, Test not run,

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Instrumentation effects - Open field IMPC_EXD_060_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_open_field

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy,
Causal randomisation instrumentation strategy,
Causal randomisation and minimisation instrumentation strategy, Test not run,

Instrumentation effects - ECG IMPC_EXD_061_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_ecg

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy,
Causal randomisation instrumentation strategy,
Causal randomisation and minimisation instrumentation strategy, Test not run,

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Instrumentation effects - Echo IMPC_EXD_062_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_echo

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy,
Causal randomisation instrumentation strategy,
Causal randomisation and minimisation instrumentation strategy, Test not run,

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Instrumentation effects - Plethysmography IMPC_EXD_063_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_plethysmography

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy,
Causal randomisation instrumentation strategy,
Causal randomisation and minimisation instrumentation strategy, Test not run,

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Instrumentation effects - Gross pathology IMPC_EXD_064_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_gross_pathology

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy,
Causal randomisation instrumentation strategy,
Causal randomisation and minimisation instrumentation strategy, Test not run,

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Instrumentation effects - Insulin IMPC_EXD_065_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_insulin

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy,
Causal randomisation instrumentation strategy,
Causal randomisation and minimisation instrumentation strategy, Test not run,

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Instrumentation effects - Embryo Lac Z IMPC_EXD_066_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_embryo_lac_z

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy,
Causal randomisation instrumentation strategy,
Causal randomisation and minimisation instrumentation strategy, Test not run,

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Instrumentation effects - Adult Lac Z IMPC_EXD_067_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_adult_lac_z

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy,
Causal randomisation instrumentation strategy,
Causal randomisation and minimisation instrumentation strategy, Test not run,

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Instrumentation effects - X-ray IMPC_EXD_068_001 | v1.0

simpleParameter

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

Description: instrumentation_effects_x_ray

Options: Controlled instrumentation strategy, Active randomisation instrumentation strategy, Active randomisation and minimisation instrumentation strategy,
Causal randomisation instrumentation strategy,
Causal randomisation and minimisation instrumentation strategy, Test not run,

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Operator effects - Body weight IMPC_EXD_069_001 | v1.0

simpleParameter

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

Description: operator_effects_body_weight

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

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Operator effects - Open field IMPC_EXD_070_001 | v1.0

simpleParameter

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

Description: operator_effects_open_field

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

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Operator effects - CSD IMPC_EXD_071_001 | v1.0

simpleParameter

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

Description: operator_effects_csd

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

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Operator effects - Grip strength IMPC_EXD_072_001 | v1.0

simpleParameter

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

Description: operator_effects_grip_strength

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

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Operator effects - Acoustic startle IMPC_EXD_073_001 | v1.0

simpleParameter

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

Description: operator_effects_acoustic_startle

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

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Operator effects - Calorimetry IMPC_EXD_074_001 | v1.0

simpleParameter

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

Description: operator_effects_calorimetry

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

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Operator effects - IPGTT IMPC_EXD_075_001 | v1.0

simpleParameter

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

Description: operator_effects_ipgtt

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

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Operator effects - ABR collection IMPC_EXD_076_001 | v1.0

simpleParameter

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

Description: operator_effects_abr_collection

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

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Operator effects - ABR annotation IMPC_EXD_077_001 | v1.0

simpleParameter

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

Description: operator_effects_abr_annotation

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

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Operator effects - DEXA IMPC_EXD_078_001 | v1.0

simpleParameter

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

Description: operator_effects_dexa

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

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Operator effects - X-ray imaging IMPC_EXD_079_001 | v1.0

simpleParameter

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

Description: operator_effects_x_ray_imaging

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

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Operator effects - X-ray annotation IMPC_EXD_080_001 | v1.0

simpleParameter

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

Description: operator_effects_x_ray_annotation

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

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Operator effects - Slit lamp IMPC_EXD_081_001 | v1.0

simpleParameter

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

Description: operator_effects_slit_lamp

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

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Operator effects - Ophthalmoscope IMPC_EXD_082_001 | v1.0

simpleParameter

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

Description: operator_effects_ophthalmoscope

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

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Operator effects - Hematology IMPC_EXD_083_001 | v1.0

simpleParameter

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

Description: operator_effects_hematology

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

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Operator effects - Clinical chemistry IMPC_EXD_084_001 | v1.0

simpleParameter

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

Description: operator_effects_clinical_chemistry

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

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Operator effects - Immunophenotyping collection IMPC_EXD_085_001 | v1.0

simpleParameter

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

Description: operator_effects_immunophenotyping_collection

Options: Single operator, Active operator randomisation,

Active operator randomisation with minimisation, Balanced operator,

Balanced operator with minimisation, Minimized operator, Test not run,

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Operator effects - Immunophenotyping analysis IMPC_EXD_086_001 | v1.0

simpleParameter

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

Description: operator_effects_immunophenotyping_analysis

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

---

Operator effects - Heart weight IMPC_EXD_087_001 | v1.0

simpleParameter

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

Description: operator_effects_heart_weight

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

---

Operator effects - Gross pathology collection IMPC_EXD_088_001 | v1.0

simpleParameter

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

Description: operator_effects_gross_pathology_collection

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

---

Operator effects - Gross pathology annotation IMPC_EXD_089_001 | v1.0

simpleParameter

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

Description: operator_effects_gross_pathology_annotation

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

---

Operator effects - ECG IMPC_EXD_090_001 | v1.0

simpleParameter

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

Description: operator_effects_ecg

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

---

Operator effects - Echo IMPC_EXD_091_001 | v1.0

simpleParameter

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

Description: operator_effects_echo

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

---

Operator effects - Plethysmography IMPC_EXD_092_001 | v1.0

simpleParameter

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

Description: operator_effects_plethysmography

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

---

Operator effects - Insulin IMPC_EXD_093_001 | v1.0

simpleParameter

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

Description: operator_effects_insulin

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

---

Operator effects - Embryo Lac Z collection IMPC_EXD_094_001 | v1.0

simpleParameter

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

Description: operator_effects_embryo_lac_z_collection

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

---

Operator effects - Embryo Lac Z annotation IMPC_EXD_095_001 | v1.0

simpleParameter

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

Description: operator_effects_embryo_lac_z_annotation

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

---

Operator effects - Adult Lac Z collection IMPC_EXD_096_001 | v1.0

simpleParameter

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

Description: operator_effects_adult_lac_z_collection

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

---

Operator effects - Adult Lac Z annotation IMPC_EXD_097_001 | v1.0

simpleParameter

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

Description: operator_effects_adult_lac_z_annotation

Options: Single operator, Active operator randomisation,
Active operator randomisation with minimisation, Balanced operator,
Balanced operator with minimisation, Minimized operator, Test not run,

Time effects IMPC_EXD_098_001 | v1.0

simpleParameter

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

Description: time_effects

Options: Uncontrolled time effect, Controlled time effect, Randomised time effect,

---

Order effects - Body weight IMPC_EXD_099_001 | v1.0

simpleParameter

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

Description: order_effects_body_weight

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - CSD IMPC_EXD_100_001 | v1.0

simpleParameter

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

Description: order_effects_csd

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - Grip strength IMPC_EXD_101_001 | v1.0

simpleParameter

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

Description: order_effects_grip_strength

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - Acoustic startle IMPC_EXD_102_001 | v1.0

simpleParameter

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

Description: order_effects_acoustic_startle

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - Calorimetry IMPC_EXD_103_001 | v1.0

simpleParameter

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

Description: order_effects_calorimetry

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - IPGTT IMPC_EXD_104_001 | v1.0

simpleParameter

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

Description: order_effects_ipgtt

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - ABR collection IMPC_EXD_105_001 | v1.0

simpleParameter

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

Description: order_effects_abr_collection

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - ABR annotation IMPC_EXD_106_001 | v1.0

simpleParameter

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

Description: order_effects_abr_annotation

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - DEXA IMPC_EXD_107_001 | v1.0

simpleParameter

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

Description: order_effects_dexa

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - X-ray imaging IMPC_EXD_108_001 | v1.0

simpleParameter

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

Description: order_effects_x_ray_imaging

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

Order effects - X-ray annotation IMPC_EXD_109_001 | v1.0

simpleParameter

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

Description: order_effects_x_ray_annotation

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - Slit lamp IMPC_EXD_110_001 | v1.0

simpleParameter

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

Description: order_effects_slit_lamp

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - Ophthalmoscope IMPC_EXD_111_001 | v1.0

simpleParameter

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

Description: order_effects_ophthalmoscope

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - Hematology IMPC_EXD_112_001 | v1.0

simpleParameter

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

Description: order_effects_hematology

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - Clinical chemistry IMPC_EXD_113_001 | v1.0

simpleParameter

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

Description: order_effects_clinical_chemistry

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - Immunophenotyping IMPC_EXD_114_001 | v1.0

simpleParameter

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

Description: order_effects_immunophenotyping

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - Heart weight IMPC_EXD_115_001 | v1.0

simpleParameter

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

Description: order_effects_heart_weight

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - Open field IMPC_EXD_116_001 | v1.0

simpleParameter

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

Description: order_effects_open_field

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - Gross pathology collection IMPC_EXD_117_001 | v1.0

simpleParameter

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

Description: order_effects_gross_pathology_collection

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - Gross pathology annotation IMPC_EXD_118_001 | v1.0

simpleParameter

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

Description: order_effects_gross_pathology_annotation

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - ECG IMPC_EXD_119_001 | v1.0

simpleParameter

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

Description: order_effects_ecg

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation,

Casual randomisation within a cage, Test not run,

Order effects - Echo IMPC_EXD_120_001 | v1.0

simpleParameter

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

Description: order_effects_echo

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - Plethysmography IMPC_EXD_121_001 | v1.0

simpleParameter

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

Description: order_effects_plethysmography

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - Insulin IMPC_EXD_122_001 | v1.0

simpleParameter

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

Description: order_effects_insulin

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - Embryo Lac Z IMPC_EXD_123_001 | v1.0

simpleParameter

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

Description: order_effects_embryo_lac_z

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Order effects - Adult Lac Z IMPC_EXD_124_001 | v1.0

simpleParameter

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

Description: order_effects_adult_lac_z

Options: Alternate animal order, Cage active randomisation, Cage casual randomisation, Casual randomisation within a cage, Test not run,

---

Subject selection - ABR IMPC_EXD_125_001 | v1.0

simpleParameter

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

Description: subject_selection_abr

Options: First subject availability strategy, Active subject selection strategy, Passive subject selection strategy, Test not run,

---

Subject selection - Gross pathology IMPC_EXD_126_001 | v1.0

simpleParameter

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

Description: subject_selection_gross_pathology

Options: First subject availability strategy, Active subject selection strategy, Passive subject selection strategy, Test not run,

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