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*

**Description:** submitter_id

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

**Name of phenotyping project** IMPC_EXD_002_001 | v1.1

*seriesParameter*
Description: name_of_phenotyping_project

Increments: Minimum 1

Name of pipeline IMPC_EXD_003_001 | v1.1

Description: name_of_pipeline

Increments: Minimum 1

Start date IMPC_EXD_004_001 | v1.1

Description: start_date

End date IMPC_EXD_005_001 | v1.1

Description: end_date
**Control design** IMPC_EXD_006_001 | v1.0

**seriesParameter**

**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**

**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**
Description: number_male_controls

Number female controls  IMPC_EXD_009_001 | v1.0
simpleParameter

Description: number_female_controls

Genetic background  IMPC_EXD_010_001 | v1.0
seriesParameter

Description: genetic_background

Increments: Minimum 1

Controls and knockout same source  IMPC_EXD_011_001 | v1.0
simpleParameter

Description: genetic_background

Increments: Minimum 1
**Description:** controls_and_knockout_same_source

**Options:** Yes, No,

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**Control animal production location** IMPC_EXD_012_001 | v1.0  
simpleParameter

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

**Description:** control_animal_source

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**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,

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**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


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


Description: blinding_body_weight

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

Blinding - CSD  IMPC_EXD_017_001 | v1.0

simpleParameter
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

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

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

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

Blinding - IPGTT IMPC_EXD_021_001 | v1.0
simpleParameter

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

Blinding - ABR collection IMPC_EXD_022_001 | v1.0
simpleParameter

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

Blinding - ABR annotation IMPC_EXD_023_001 | v1.0
simpleParameter
Blinding - DEXA IMPC_EXD_024_001 | v1.0

simpleParameter


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


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,
Blinding - Ophthalmoscope collection  IMPC_EXD_029_001 | v1.0

Description: blinding_ophthalmoscope_collection

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

Blinding - Ophthalmoscope annotation  IMPC_EXD_030_001 | v1.0

Description: blinding_ophthalmoscope_annotation

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

Blinding - Hematology  IMPC_EXD_031_001 | v1.0

Description: blinding_hematology

Options: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,
Blinding - Clinical chemistry IMPC_EXD_032_001 | v1.0

**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

**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

**Description**: blinding_immunophenotyping_collection

**Options**: Unblinded, Blinded, Genotype free blinding, Allele free blinding, Test not run,
Blinding - Immunophenotyping annotation  IMPC_EXD_035_001 | v1.0

simpleParameter


Description: blinding_immunophenotyping_annotation

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

Blinding - Heart weight  IMPC_EXD_036_001 | v1.0

simpleParameter


Description: blinding_heart_weight

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

Blinding - Open field  IMPC_EXD_037_001 | v1.0

simpleParameter


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


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


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


Description: blinding_ecg

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

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,

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
**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,
simpleParameter

**Instrumentation effects - Grip strength**

**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

**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

**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,

Instrumentation effects - IPGTT  IMPC_EXD_052_001 | v1.0

simpleParameter


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,

Instrumentation effects - ABR  IMPC_EXD_053_001 | v1.0

simpleParameter


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,
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,

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,

Instrumentation effects - Ophthalmoscope IMPC_EXD_056_001 | v1.0

**simpleParameter**

*v1.0
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,

Instrumentation effects - Hematology  IMPC_EXD_057_001 | v1.0

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

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

**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

**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,

**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,

**Instrumentation effects - Plethysmography** IMPC_EXD_063_001 | v1.0

simpleParameter
Instrumentation effects - Gross pathology  IMPC_EXD_064_001 | v1.0

simpleParameter

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,

Instrumentation effects - Insulin  IMPC_EXD_065_001 | v1.0

simpleParameter

Description: instrumentation_effects_insulin
**Instrumentation effects - Embryo Lac Z** IMPC_EXD_066_001 | v1.0

**simpleParameter**

**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**

**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,
**Instrumentation effects - X-ray**  IMPC_EXD_068_001 | v1.0

**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

**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

**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,
**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,
Operator effects - Acoustic startle IMPC_EXD_073_001 | v1.0

simpleParameter


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,

Operator effects - Calorimetry IMPC_EXD_074_001 | v1.0

simpleParameter


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,

Operator effects - IPGTT IMPC_EXD_075_001 | v1.0

simpleParameter


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,

Operator effects - ABR collection IMPC_EXD_076_001 | v1.0

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,

Operator effects - ABR annotation IMPC_EXD_077_001 | v1.0

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,

Operator effects - DEXA IMPC_EXD_078_001 | v1.0
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,

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,

Description: operator_effects_x_ray_annotation
**Operator effects - Slit lamp**  IMPC_EXD_081_001 | v1.0

**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

**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,
Operator effects - Hematology  IMPC_EXD_083_001 | v1.0

**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

**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

**Description:** operator_effects_immunophenotyping_collection
**Operator effects - Immunophenotyping analysis**  IMPC_EXD_0
86_001 | v1.0

**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

**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


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,

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Operator effects - Gross pathology annotation IMPC_EXD_089_001 | v1.0

simpleParameter


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,

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Operator effects - ECG IMPC_EXD_090_001 | v1.0

simpleParameter

**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,

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**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,

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**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

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

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

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,
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


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


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,

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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,

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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*
Description: order_effects_calorimetry

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

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**Order effects - IPGTT**  
IMPC_EXD_104_001 | v1.0  
simpleParameter

Description: order_effects_ipgtt

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

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**Order effects - ABR collection**  
IMPC_EXD_105_001 | v1.0  
simpleParameter

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

**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

**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

**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


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


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
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

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

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


Description: order_effects_gross_pathology_collection

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

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Order effects - Gross pathology annotation  IMPC_EXD_118_001  |  v1.0

simpleParameter


Description: order_effects_gross_pathology_annotation

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

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Order effects - ECG  IMPC_EXD_119_001  |  v1.0

simpleParameter


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


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


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
Order effects - Embryo Lac Z IMPC_EXD_123_001 | v1.0

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

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,


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**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,