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*
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

Increments: Minimum 1
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,

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,

Number male controls  IMPC_EXD_008_001  |  v1.0

SimpleParameter
Number female controls  IMPC_EXD_009_001  |  v1.0
simpleParameter

Genetic background  IMPC_EXD_010_001  |  v1.0
seriesParameter

Controls and knockout same source  IMPC_EXD_011_001  |  v1.0
simpleParameter
**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

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

Blinding - IPGTT IMPC_EXD_021_001 | v1.0

Description: blinding_ipgtt

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

Blinding - ABR collection IMPC_EXD_022_001 | v1.0

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

Description: blinding_abr_annotation

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

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

Blinding - DEXA IMPC_EXD_024_001 | v1.0

Description: blinding_dexa

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

Blinding - X-ray imaging IMPC_EXD_025_001 | v1.0

Description: blinding_x_ray_imaging

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

simpleParameter


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


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


Description: blinding_hematology

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

simpleParameter


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


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


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**

**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,

**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,

**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,
Blinding - Echo IMPC_EXD_041_001 | v1.0

simpleParameter


Description: blinding_echo

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

Blinding - Plethysmography IMPC_EXD_042_001 | v1.0

simpleParameter


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


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

Description: blinding_adult_lac_z_annotation

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

Blinding - Embryo Lac Z collection  IMPC_EXD_045_001  | v1.0

Description: blinding_embryo_lac_z_collection

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

Blinding - Embryo Lac Z annotation  IMPC_EXD_046_001  | v1.0

Description: blinding_embryo_lac_z_annotation
Instrumentation effects - Body weight  IMPC_EXD_047_001 | v1.0

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

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,

Instrumentation effects - Grip strength  IMPC_EXD_049_001 | v1.0
simpleParameter

**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

**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

**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

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

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


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


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

v1.0

simpleParameter
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

**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


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


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
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,
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 - 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,

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

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

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

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

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 - X-ray imaging IMPC_EXD_079_001 | v1.0

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,

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

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

`simpleParameter`

**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,

**Operator effects - Clinical chemistry**  IMPC_EXD_084_001 | v1.0

`simpleParameter`

**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,

**Operator effects - Immunophenotyping collection**  IMPC_EXD_085_001 | v1.0

`simpleParameter`

**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_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,

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**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_gross_pathology_collection
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 - Insulin  IMPC_EXD_093_001 | v1.0

simpleParameter


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,

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

simpleParameter


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,

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

simpleParameter

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,

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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,

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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**

**Description:** time_effects

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

Order effects - Body weight IMPC_EXD_099_001 | v1.0

**simpleParameter**

**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**

**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

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

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,

Order effects - IPGTT  IMPC_EXD_104_001 | v1.0

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

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


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


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


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


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


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


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

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

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**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,

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**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,

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,

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
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

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


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


Description: subject_selection_gross_pathology

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