

Minimum Information about a Flow Cytometry Experiment MIFlowCyt

Summary of Required Information

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Document Status

This is an informative reference providing a summary of the Minimum Information about a Flow Cytometry Experiment (MIFlowCyt) Recommendation version 1.0 as adopted by the International Society for Analytical Cytology (ISAC) in February 2008. This document is not a normative standard. The normative MIFlowCyt Recommendation can be downloaded from <http://www.isac-net.org/>.



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Mandatory Information

Below is the summary of required information required by the Minimum Information about a Flow Cytometry Experiment (MIFlowCyt). Numbering in this document corresponds to numbering within the MIFlowCyt Recommendation document. Please note that the information listed in this summary may not be sufficient for certain experiment descriptions. Refer to MIFlowCyt Recommendation for further details.

- 1. Experiment Overview
 - 1.1. Purpose
 - 1.2. Keywords
 - 1.3. Experiment Variables
 - 1.4. Organization
 - 1.4.1. Name
 - 1.4.2. Address
 - 1.5. Primary Contact
 - 1.5.1. Name
 - 1.5.2. Email Address
 - 1.6. Date
 - 1.8. Quality Control Measures

2. Flow Sample/Specimen Details

2.1. Sample/Specimen Material Description

Based on sample type, 2.1.1, 2.1.2, or 2.1.3 is required

2.1.1. Biological Samples

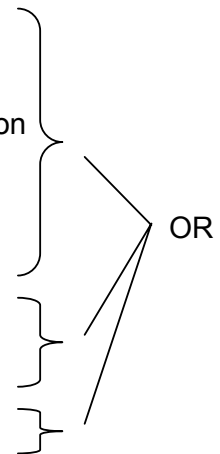
- 2.1.1.1. Biological Sample Description
- 2.1.1.2. Biological Sample Source Description
- 2.1.1.3. Biological Sample Source Organism Description
 - 2.1.1.3.1. Taxonomy
 - 2.1.1.3.4. Phenotype
 - 2.1.1.3.5. Genotype
 - 2.1.1.3.6. Treatment

2.1.2. Environmental Samples

- 2.1.2.1. Environmental Sample Description
- 2.1.2.2. Environmental Sample Location

2.1.3. Other Samples

- 2.1.3.1. Other Sample Description



- 2.3. Sample Treatment(s) Description
- 2.4. Fluorescence Reagent(s) Description
 - 2.4.2. Analyte
 - 2.4.3. Analyte Detector
 - 2.4.4. Analyte Reporter (Fluorochrome)
 - 2.4.6. Reagent Manufacturer Name
 - 2.4.7. Reagent Catalogue Number

3. Instrument Details

- 3.1. Instrument Manufacturer
- 3.2. Instrument Model
- 3.3. Instrument Configuration and Settings

- 3.3.4. Optical Filters

- The following shall be provided unless filters are original, in which case the manufacturing date of the instrument may be sufficient*

- 3.3.4.3. Optical Filter Installation Date

- 3.3.4.4. Optical Filter Manufacturer

- 3.3.4.5. Optical Filter Model Number

- 3.3.5. Optical Detectors

- 3.3.5.3. Optical Detector Voltage (*unless not adjustable*)

4. Data Analysis Details (*if data analysis has been done*)

- 4.1. List-mode Data File
- 4.2. Compensation Details
 - 4.2.1. Compensation Description
- 4.3. Data Transformation Details
 - 4.3.1. Purpose of Data Transformation
 - 4.3.2. Data Transformation Description
- 4.4. Gating (Data Filtering) Details
 - 4.4.1. Gate Description
 - 4.4.2. Gate Statistics
 - 4.4.3. Gate Boundaries (*or images or detailed gate membership information*)