**GSCID/BRC Project and Sample Application Standard**

**Project Specific**

**v1.3**

**Finalized by the GSCID/BRC Metadata Working Group**

How to interpret the document:

**BOLD**: Field Name

*ITALICS*: Attributes of the field

1. **Isolate**

Project-Specific Field ID: PS1

Field Name: Isolate

Description:

NCBI Component Name: BioSample

NCBI Component Synonym: isolate

NCBI Component Definition:

OBO Foundry Synonym:

OBO Foundry Purl:

OBO Foundry Definition:

Other Synonym:

Data Categories:

Allowed Values:

Alternate Allowed Values:

Unknown/Not Applicable/Censored Allowed:

Syntax:

Example Values:

Data Source:

Comments:

1. **Host Disease Stage**

Project-Specific Field ID: PS2

Field Name: Host Disease Stage

Description:

NCBI Component Name: BioSample

NCBI Component Synonym: host-disease-stage

NCBI Component Definition: Stage of disease at the time of sampling

OBO Foundry Synonym:

OBO Foundry Purl:

OBO Foundry Definition:

Other Synonym:

Data Categories:

Allowed Values:

Alternate Allowed Values:

Unknown/Not Applicable/Censored Allowed:

Syntax:

Example Values:

Data Source:

Comments:

1. **Host Disease Outcome**

Project-Specific Field ID: PS3

Field Name: Host Disease Outcome

Description:

NCBI Component Name: BioSample

NCBI Component Synonym: host-disease-outcome

NCBI Component Definition: Final outcome of disease, e.g., death, chronic disease, recovery

OBO Foundry Synonym:

OBO Foundry Purl:

OBO Foundry Definition:

Other Synonym:

Data Categories:

Allowed Values:

Alternate Allowed Values:

Unknown/Not Applicable/Censored Allowed:

Syntax:

Example Values:

Data Source:

Comments:

1. **Host Description**

Project-Specific Field ID: PS4

Field Name: Host Description

Description:

NCBI Component Name: BioSample

NCBI Component Synonym: host-description

NCBI Component Definition: Additional information not included in other defined vocabulary fields

OBO Foundry Synonym:

OBO Foundry Purl:

OBO Foundry Definition:

Other Synonym:

Data Categories:

Allowed Values:

Alternate Allowed Values:

Unknown/Not Applicable/Censored Allowed:

Syntax:

Example Values:

Data Source:

Comments:

1. **Specimen Voucher**

Project-Specific Field ID: PS5

Field Name: Specimen Voucher

Description:

NCBI Component Name: BioSample

NCBI Component Synonym: specimen-voucher

NCBI Component Definition: Formal identifier of the Type Specimen of the source organism, usually stored in an institute collection. Name of the Institution and their internal Collection and/or sample codes.

OBO Foundry Synonym:

OBO Foundry Purl:

OBO Foundry Definition:

Other Synonym:

Data Categories:

Allowed Values:

Alternate Allowed Values:

Unknown/Not Applicable/Censored Allowed:

Syntax:

Example Values:

Data Source:

Comments:

1. **Genotype**

Project-Specific Field ID: PS6

Field Name: Genotype

Description:

NCBI Component Name: BioSample

NCBI Component Synonym: genotype

NCBI Component Definition: observed genotype

OBO Foundry Synonym:

OBO Foundry Purl:

OBO Foundry Definition:

Other Synonym:

Data Categories:

Allowed Values:

Alternate Allowed Values:

Unknown/Not Applicable/Censored Allowed:

Syntax:

Example Values:

Data Source:

Comments:

1. **Serotype**

Project-Specific Field ID: PS7

Field Name: Serotype

Description:

NCBI Component Name: BioSample

NCBI Component Synonym: serotype

NCBI Component Definition: Taxonomy below subspecies; a variety (in bacteria, fungi or virus) usually based on its antigenic properties. Same as serovar and serogroup. e.g. serotype="H1N1" in Influenza A virus CY098518.

OBO Foundry Synonym:

OBO Foundry Purl:

OBO Foundry Definition:

Other Synonym:

Data Categories:

Allowed Values:

Alternate Allowed Values:

Unknown/Not Applicable/Censored Allowed:

Syntax:

Example Values:

Data Source:

Comments:

1. **Serovar**

Project-Specific Field ID: PS8

Field Name: Serovar

Description:

NCBI Component Name: BioSample

NCBI Component Synonym: serovar

NCBI Component Definition: Taxonomy below subspecies; a variety (in bacteria, fungi or virus) usually based on its antigenic properties. Same as serovar and serotype. Sometimes used as species identifier in bacteria with shaky taxonomy, e.g. Leptospira, serovar saopaolo S76607 (65357 in Entrez).

OBO Foundry Synonym:

OBO Foundry Purl:

OBO Foundry Definition:

Other Synonym:

Data Categories:

Allowed Values:

Alternate Allowed Values:

Unknown/Not Applicable/Censored Allowed:

Syntax:

Example Values:

Data Source:

Comments:

1. **Pathotype**

Project-Specific Field ID: PS9

Field Name: Pathotype

Description:

NCBI Component Name: BioSample

NCBI Component Synonym: pathotype

NCBI Component Definition: Some bacterial specific pathotypes (example Eschericia coli - STEC, UPEC)

OBO Foundry Synonym:

OBO Foundry Purl:

OBO Foundry Definition:

Other Synonym:

Data Categories:

Allowed Values:

Alternate Allowed Values:

Unknown/Not Applicable/Censored Allowed:

Syntax:

Example Values:

Data Source:

Comments:

1. **Passage History**

Project-Specific Field ID: PS10

Field Name: Passage History

Description:

NCBI Component Name: BioSample

NCBI Component Synonym: passage-history

NCBI Component Definition: Number of passages and passage method

OBO Foundry Synonym:

OBO Foundry Purl:

OBO Foundry Definition:

Other Synonym:

Data Categories:

Allowed Values:

Alternate Allowed Values:

Unknown/Not Applicable/Censored Allowed:

Syntax:

Example Values:

Data Source:

Comments:

1. **Lab Host**

Project-Specific Field ID: PS11

Field Name: Lab Host

Description:

NCBI Component Name: BioSample

NCBI Component Synonym: lab-host

NCBI Component Definition: Originally meaning host on which a parasite is maintained in the lab, which may not be the same as the natural host (example hamster cells used to support a parasite normally found in mouse in the wild). Also seen used (in dbEST and dbGSS) to list the bacterial strain in which a plasmid construct library is maintained in the lab (e.g. ID:167152 lab-host DH10B T1-resistant).

OBO Foundry Synonym:

OBO Foundry Purl:

OBO Foundry Definition:

Other Synonym:

Data Categories:

Allowed Values:

Alternate Allowed Values:

Unknown/Not Applicable/Censored Allowed:

Syntax:

Example Values:

Data Source:

Comments:

1. **Subgroup**

Project-Specific Field ID: PS12

Field Name: Subgroup

Description:

NCBI Component Name: BioSample

NCBI Component Synonym: subgroup

NCBI Component Definition: Taxonomy below subspecies; sometimes used in viruses to denote subgroups taken from a single isolate.

OBO Foundry Synonym:

OBO Foundry Purl:

OBO Foundry Definition:

Other Synonym:

Data Categories:

Allowed Values:

Alternate Allowed Values:

Unknown/Not Applicable/Censored Allowed:

Syntax:

Example Values:

Data Source:

Comments:

1. **Subtype**

Project-Specific Field ID: PS13

Field Name: Subtype

Description:

NCBI Component Name: BioSample

NCBI Component Synonym: subtype

NCBI Component Definition: Used as classifier in viruses (e.g. HIV type 1, Group M, Subtype A).

OBO Foundry Synonym:

OBO Foundry Purl:

OBO Foundry Definition:

Other Synonym:

Data Categories:

Allowed Values:

Alternate Allowed Values:

Unknown/Not Applicable/Censored Allowed:

Syntax:

Example Values:

Data Source:

Comments: