PX D2.6 report

The CV terms related to concentration of cells in unit CV are listed below. There is no unit for absolute abundance in quantitative proteomics (i.e. copy per cell).

[Term]

id: UO:0000201

name: cells per milliliter

namespace: unit.ontology

def: "A unit of cell concentration which is equal to one cell in a volume of 1 milliliter." [Bioedonline:Bioedonline]

subset: unit\_slim

synonym: "cells per millilitre" EXACT []

synonym: "cells per ml" EXACT []

is\_a: UO:0000200 ! cell concentration unit

created\_by: george gkoutos

[Term]

id: UO:0000316

name: cells per microliter

namespace: unit.ontology

def: "A unit of cell concentration which is equal to one cell in a volume of 1 microliter." [UO:GVG]

synonym: "cells per microlitre" EXACT []

synonym: "cells per ul" EXACT []

is\_a: UO:0000200 ! cell concentration unit

created\_by: gkoutos

creation\_date: 2013-03-12T12:34:17Z

[Term]

id: UO:0000317

name: cells per well

namespace: unit.ontology

def: "A unit of cell concentration which is equal to 1 cell in a well or discrete container of arbitrary volume." [UO:PC]

is\_a: UO:0000200 ! cell concentration unit

created\_by: gkoutos

creation\_date: 2013-03-12T12:46:20Z

Should we propose the following CV terms to Unit Ontology or keep it in PSI-MS?

[Term]

id: UO:000XXXX

name: copy per cell

namespace: unit.ontology

def: "Absolute abundance of protein in a cell."

Proposed CV terms in PSI-MS:

[Term]

id: MS:100XXXX

name: internal peptide reference used

def: "Whether internal peptide reference is used or not in absolute quantitation analysis." [PSI:PI]

xref: value-type:xsd\:boolean "The allowed value-type for this CV term."

is\_a: MS:100XXXX ! ????

[Term]

id: MS:100XXXX

name: internal protein reference used

def: "Whether internal protein reference is used or not in absolute quantitation analysis." [PSI:PI]

xref: value-type:xsd\:boolean "The allowed value-type for this CV term."

is\_a: MS:100XXXX ! ????

[Term]

id: MS:100XXXX

name: internal reference abundance

def: "The data type abundance of spiked in reference peptide or protein in absolute quantitation analysis." [PSI:PI]

xref: value-type:xsd\:double "The allowed value-type for this CV term."

is\_a: MS:1001805 ! quantification datatype