2: Sample Editor

2.1: Create an Analyte

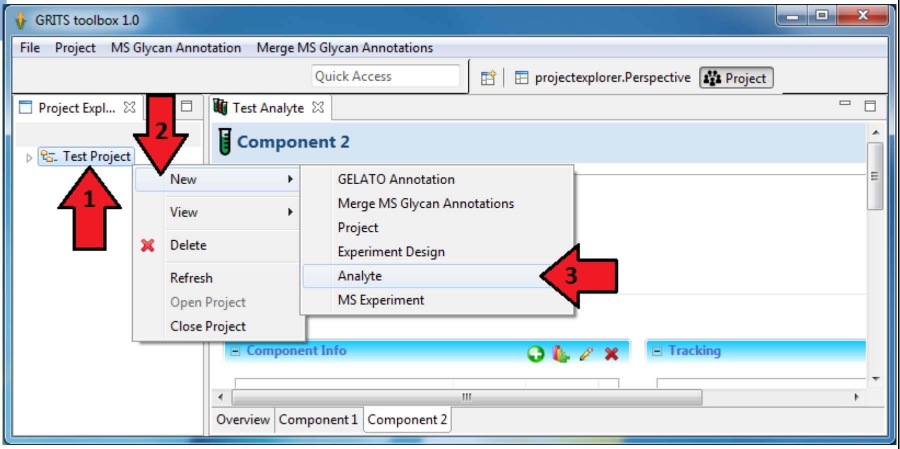
Steps:

1. Right-Click on a Project
2. Select “New”
3. Select “Analyte”
4. Give the Analyte a name
5. Give the Analyte a description
6. Select “Next”
7. Name your first component
   - The default name is the name of the Analyte
8. Select the base for the component
   - “Completely New”: uses default settings
   - “Copy of Previous Component”: uses the settings of a selected component
   - “From a Template”: uses a template to format the component, useful if you have a pre-existing format
9. Select “Finish” to finish
10. Save by pressing “Ctrl+S” or selecting “File” and then selecting “Save,” this is will save all work in Grits.

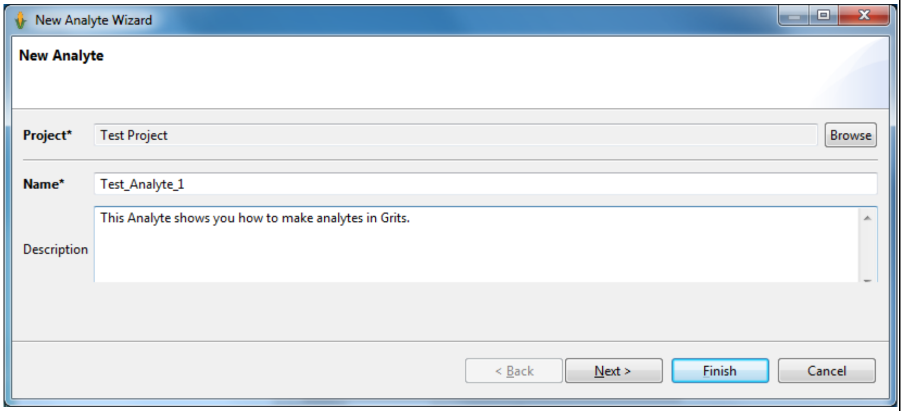
Save frequently:

- Press “Ctrl + S”
- Go to “File” and click “Save”
- This will save everything
- Parts of Grits will only work with saved data

2.1(a): Create Analyte in Project



2.1(b): Name Analyte

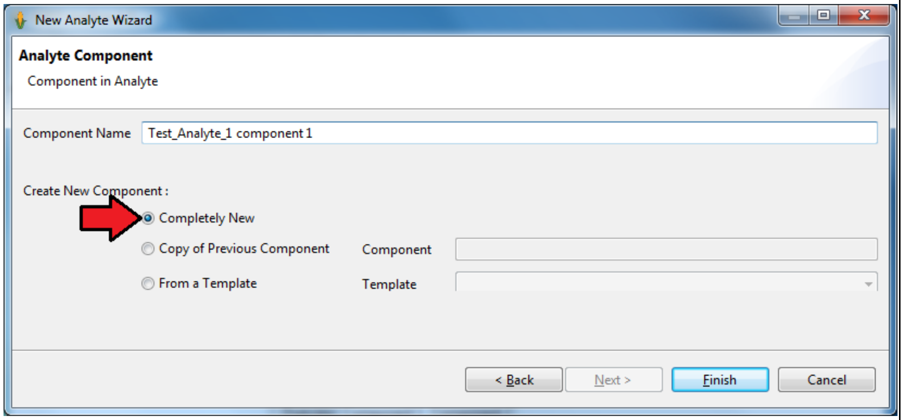


Project* Test Project

Name* Test_Analyte_1

Description This Analyte shows you how to make analytes in Grits.

2.1(c): First Component



Component Name Test_Analyte_1 component 1

Create New Component :

● Completely New

○ Copy of Previous Component Component

○ From a Template Template

2:2 Analyte Overview

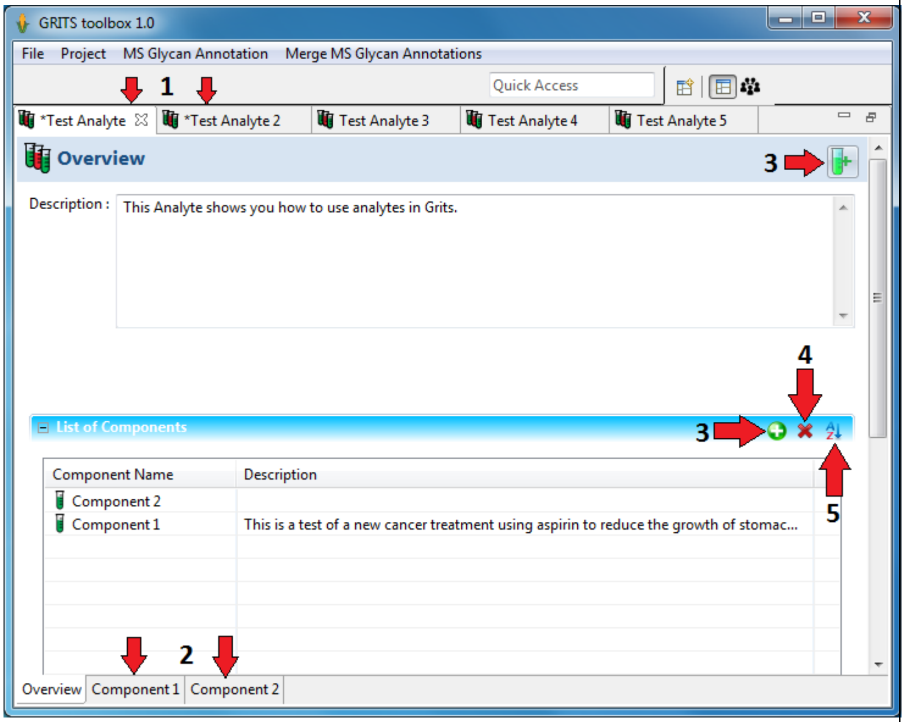
In Grits, analytes serves as sub-folders for projects. Each analyte represents a single experiment. An analyte must contain at least one component or sample. Additionally, analytes may store other types of data, such as MS data or Gelato annotations. All data within an analyte is associated together for other Grits programs to utilize.

Buttons:

1. Cycling through Analytes
2. Cycling through components
3. Adding new components
4. Delete a component
5. Sort components

- Useful for complex analytes

2.2(a): Analyte Overview



Description : This Analyte shows you how to use analytes in Grits.

Component Name	Description
Component 2	
Component 1	This is a test of a new cancer treatment using aspirin to reduce the growth of stomac...

2.3: Components

Analytes are composed of components, which contain information about a single sample. An analyte can have any number of components.

Buttons:

1. Add a descriptor
2. Add a descriptor group
3. Edit
4. Delete
5. Add a new component
6. Edit the name of the component
7. Create a template using this component
8. Close Analyte

Overview

A. An "*" indicates that a file is not saved
- Only Saved files can be used by Grits
- Save by pressing "Ctrl+S"

B. Component Information
- Describes the contents of the sample

C. Tracking

D. Amount

E. Purity

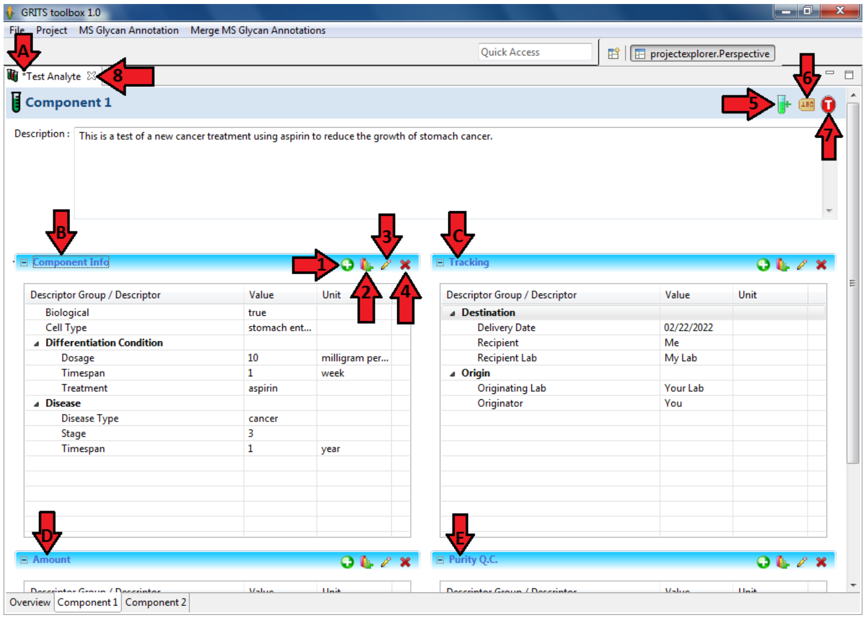
Descriptors

- Descriptors store information about a given sample
- Descriptors are predefined and draw from an extensive database in order to maintain internal consistency while still providing enough options

Descriptor Groups

- Work like descriptors
- More general than descriptors.

2.3(a): Component Overview

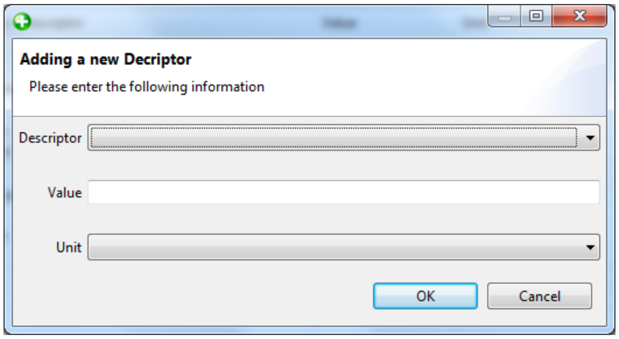


Description : This is a test of a new cancer treatment using aspirin to reduce the growth of stomach cancer.

Descriptor Group / Descriptor	Value	Unit
Biological	true	
Cell Type	stomach ent...	
Differentiation Condition		
Dosage	10	milligram per...
Timespan	1	week
Treatment	aspirin	
Disease		
Disease Type	cancer	
Stage	3	
Timespan	1	year

Descriptor Group / Descriptor	Value	Unit
Destination		
Delivery Date	02/22/2022	
Recipient	Me	
Recipient Lab	My Lab	
Origin		
Originating Lab	Your Lab	
Originator	You	

2.3(b): Descriptors



Adding a new Decriptor

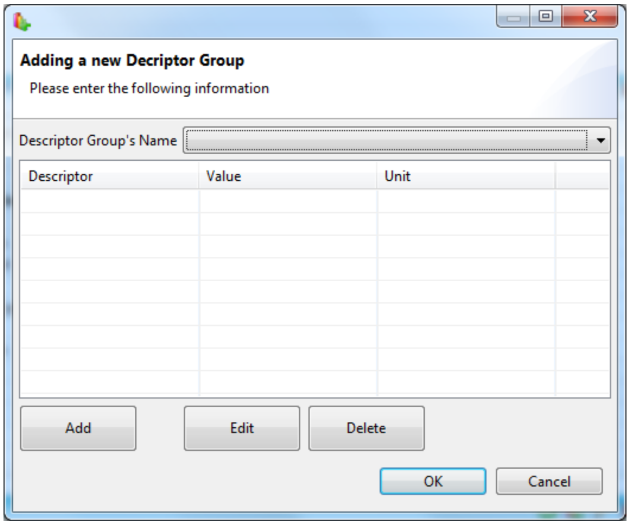
Please enter the following information

Descriptor

Value

Unit

2.3(c): Descriptor Groups



Adding a new Decriptor Group

Please enter the following information

Descriptor Group's Name

Descriptor	Value	Unit