

Waters® Millennium®³² Software

Who Ran That Sample?

Using Enumerated Custom Fields in Millennium³² Software

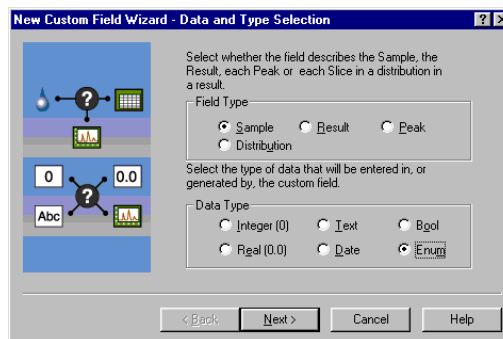
A busy laboratory may have multiple operators of individual instruments, a situation which can sometimes lead to confusion. As more and more samples are run it is often difficult to remember who ran what sample. Millennium³² software, with its powerful Oracle® relational database, makes it easy to create a drop-down list which can be used to assign an operator name (or column type, sample matrix, client name, etc.) to each individual sample. A custom field using an enumerated data type can be created to simplify tracking and management of users and results.

Sample Set Method					
Vial	SampleName	Instrument_Operator	Inj Vol (ul)	# of Injs	
	Unk.	<input type="text"/>	10.0	1	Inject Samples
		Please enter a value for this item			

Sample Set Method: L					
Vial	SampleName	Instrument_Operator	Inj Vol (ul)	# of Injs	
1	Unk.	Andrew Aubin	10.0	1	Inject Samp
		Andrew Aubin			
		Patricia McConville			
		William Warren			
		Guest User			
		System Manager			

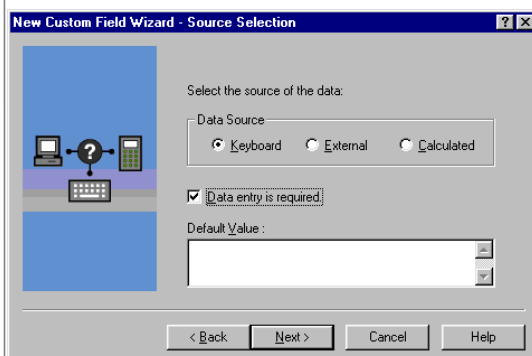
Not only is it very easy to enter information into the field, but the information will always be in a consistent format. There is no need to type information into this field, you simply choose a name from a predefined dropdown list. With an enumerated data type, the format of the information in this field is always consistent, allowing you to more easily search on this information using view filters. Spelling errors, case consistency and other variables are no longer an issue. Creating this type of custom field is easy to do and is described on the next page.

From the Configuration Manager window, start the **New Custom Field Wizard** by right-clicking on a project to view its properties and choosing **New** in the Custom Fields tab in the Properties dialog. Since this field is a Sample Type, enumerated field, select *Sample* and *Enum* in the Field Type and Data Type area, respectively.

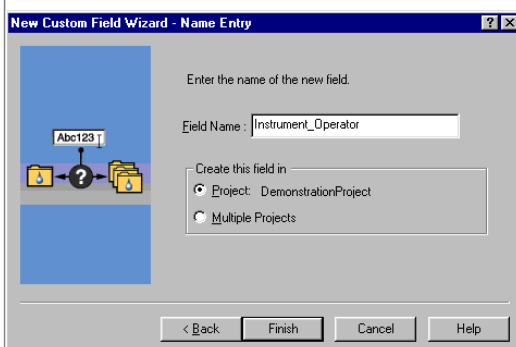
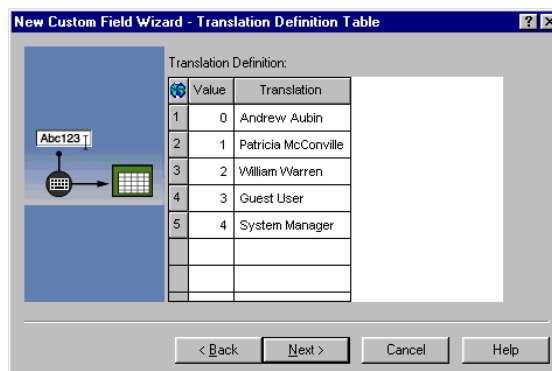


The next dialog is the **Source Selection** dialog. In this dialog it is specified that the choices for this field will be entered via the computer *keyboard*. In our example we choose to require an entry by selecting *Data entry is required*.

The next dialog is the Numeric Parameters dialog (not shown). The fields in this dialogue can not be edited for this type of custom field and are grayed out.



Because this field has been defined as an enumerated field, the **Translation Definition Table** dialog now appears. This table defines your choices for the drop-down list. In this example we define 5 operator name choices. Unlimited operator names can be listed here.



Finally, the **Name Entry** dialog appears, which lets you name the custom field. The name shown is the operator that is displayed for this field in the Run Samples window, the Alter Sample window, on reports, and throughout the software.

With the easy-to-use Enumerated Custom Field function and its unlimited applications, you will never have to ask 'Who ran that sample?'.

Think what you can do with Millennium³².