## Waters® Millennium®<sup>32</sup> Software Who Ran That Sample?

Using Enumerated Custom Fields in Millennium<sup>32</sup> 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. Millennium<sup>32</sup> software, with its powerful Oracle<sup>®</sup> 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										
Name	Instrument_	ument_Operator		lnj Vol (ul)	# ot Injs	f :	F			
		-		10.0			Inject Samples			
	Please enter a value			for thi	s item	Ì				
			_					s	ample S	et Method: L
		Vial	Sa	mpleNa	ame	Ins	strument_Operator	Inj Vol (ul)	# of Injs	
		1	Unk. Andrew Aubin 🔽 10.0 1 Ir		Inject Samp					
						Ar Pa ₩	ndrew Aubin tricia McConville illiam Warren			
						Sy	iest üser istem 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.



Sample

Unk.

Waters

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.

New Custom Field Wizard - Data and Type Selection							
\$ <b>⊷</b> ?∙∎	Select whether the field describes the Sample, the Result, each Peak or each Slice in a distribution in a result. Field Type						
0 0.0	Select the type of data that will be entered in, or generated by, the custom field.						
Abc	Data Type C <u>I</u> nteger (0) C <u>I</u> ext CB <u>o</u> ol						
	C Real (0.0) C Date C Enum						
	(Rack Next) Cancel H	eln					
	Carcer II	-up					

New Custom Field Wizar	d - Source Selection	? ×
<b></b>	Select the source of the data: Data Source ⓒ Keyboard ⓒ External ⓒ Calculate: ☑ Data entry is required. Default Value :	
	< <u>B</u> ack <u>N</u> ext > Cancel	Help

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.

Enter the name of the new field,

Field Name : Instrument\_Operato

<u>Project:</u> DemonstrationProject
<u>Multiple Projects</u>

Cancel Help

Create this field in

< <u>B</u>ack Finish

New Custom Field Wizard - Name Entry

Abc123

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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.

New Custom Field Wize	ard	- Trans	lation Definition T	able	? ×
	Translation Definition:				
		Value	Translation		
	1	0	Andrew Aubin		
Abc123	2	1	Patricia McConville		
	3	2	William Warren		
	4	3	Guest User		
	5	4	System Manager		
	L	1	<u> </u>	1	
		< <u>B</u> acl	k <u>N</u> ext>	Cancel	Help

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?'.

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Think what you can do with Millennium<sup>32</sup>.