

Appendix F.8 Aria Sequence Import

1. Opening Screen

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Full Worklist						Export Sequence						
2	Date	25 Sep 13			Prepared By michelle birch								
4	Column Serial No	0583212V				HPLC Method C:\LCMS Data\OpiateSPE.met							
5	SPE Serial No	468084-8				MS Method C:\LCMS Data\Opiates							
6	Eluent A Date	23/4/09				Data Path C:\LCMS Data\2013\September\LCMS0365							
7	Eluent B Date	23/4/09											
8	Sequence	LCMS0365											
9	Comments												
10													
11													
12	Sample Number	Morph	Morph Gluc.	Cod/ Cod gluc	6MAM	Street Heroin	MSMP	EDDP	Coc metabas	Amfet	Others		
13	1 Cutoff												
14	2 C4												
15	3 Negative												
16	4 09B0282917												
17	5 09B0282945												
18	6 09B0282950												
19	7 09B0282960												
20	8 09B0282964												
21	9 09B0282982												

2. IMPORT Sheet

	A	B	C	D	E	F
1	09B0282917					
2	09B0282945					
3	09B0282950					
4	09B0282960					
5	09B0282964					
6	09B0282982					
7	09B0284906					
8	09B0284911					
9	09B0284965					
10	09B0284970					
11	09B0284972					

3. SEQUENCE Worksheet

	A	B	C	D	E	F	G	H	I	J		
1	Bracket Type=4											
2	Sample ID	File Name	Sample Name	Path	Instrument	Process	M	Position	Sample Ty	Calibration	Inj Vol	Le
3	1	Cutoff	Cutoff	C:\LCMS Data\2013\September\LCMS036	C:\LCMS	[	C:\LCMS	[	CStk1-01	QC		100
4	2	C4	C4	C:\LCMS Data\2013\September\LCMS036	C:\LCMS	[	C:\LCMS	[	CStk1-01	QC		100
5	3	Negative	Negative	C:\LCMS Data\2013\September\LCMS036	C:\LCMS	[	C:\LCMS	[	CStk1-01	Blank		100
6	4	09B0282917	09B0282917	C:\LCMS Data\2013\September\LCMS036	C:\LCMS	[	C:\LCMS	[	CStk1-03	Unknown		100
7	5	09B0282945	09B0282945	C:\LCMS Data\2013\September\LCMS036	C:\LCMS	[	C:\LCMS	[	CStk1-03	Unknown		100
8	6	09B0282950	09B0282950	C:\LCMS Data\2013\September\LCMS036	C:\LCMS	[	C:\LCMS	[	CStk1-03	Unknown		100
9	7	09B0282960	09B0282960	C:\LCMS Data\2013\September\LCMS036	C:\LCMS	[	C:\LCMS	[	CStk1-03	Unknown		100
10	8	09B0282964	09B0282964	C:\LCMS Data\2013\September\LCMS036	C:\LCMS	[	C:\LCMS	[	CStk1-03	Unknown		100
11	9	09B0282982	09B0282982	C:\LCMS Data\2013\September\LCMS036	C:\LCMS	[	C:\LCMS	[	CStk1-03	Unknown		100
12	10	09B0284906	09B0284906	C:\LCMS Data\2013\September\LCMS036	C:\LCMS	[	C:\LCMS	[	CStk1-03	Unknown		100
13	11	09B0284911	09B0284911	C:\LCMS Data\2013\September\LCMS036	C:\LCMS	[	C:\LCMS	[	CStk1-03	Unknown		100
14	12	09B0284965	09B0284965	C:\LCMS Data\2013\September\LCMS036	C:\LCMS	[	C:\LCMS	[	CStk1-03	Unknown		100
15	13	09B0284970	09B0284970	C:\LCMS Data\2013\September\LCMS036	C:\LCMS	[	C:\LCMS	[	CStk1-03	Unknown		100
16	14	C2	C2	C:\LCMS Data\2013\September\LCMS036	C:\LCMS	[	C:\LCMS	[	CStk1-01	QC		100
17	15	09B0284972	09B0284972	C:\LCMS Data\2013\September\LCMS036	C:\LCMS	[	C:\LCMS	[	CStk1-03	Unknown		100
18	16	09B0284988	09B0284988	C:\LCMS Data\2013\September\LCMS036	C:\LCMS	[	C:\LCMS	[	CStk1-03	Unknown		100
19	17	09B0285004	09B0285004	C:\LCMS Data\2013\September\LCMS036	C:\LCMS	[	C:\LCMS	[	CStk1-03	Unknown		100
20	18	Negative_QC	Negative_QC	C:\LCMS Data\2013\September\LCMS036	C:\LCMS	[	C:\LCMS	[	CStk1-01	QC		100
21	19	Cutoff_End	Cutoff_End	C:\LCMS Data\2013\September\LCMS036	C:\LCMS	[	C:\LCMS	[	CStk1-01	QC		100

4. Printed Worksheet

KINGS COLLEGE HOSPITAL NHS FOUNDATION TRUST
 CLINICAL BIOCHEMISTRY (TOXICOLOGY)
 Author: Richard Biers

SF-CB-TOX/LCMSGEN
 Computer Generated LCMS Assay Problems
 Issue Date: 9/12/2008
 Review Date: 9/12/2009

Date	25 Sep 13		Prepared By: michelle birch							
Column Serial No	0583212V		HPLC Method		C:\LCMS Data\Opdate\SPE.net					
SPE Serial No	468084-8		MS Method		C:\LCMS Data\Opdate					
Eluent A Date	23/4/09		Data Path		C:\LCMS Data\2013\September\LCMS0365					
Eluent B Date	23/4/09									
Sequence	LCMS0365									
Comments										
Sample Number	Morph	Morph Gluc	Cod/ Codgluc	SM/AM	Street Heroin	Meth/ EDDP	Coc metals	Amfet	Others	
1: Cutoff										
2: C4										
3: Negative										
4: 09B0282917										
5: 09B0282945										
6: 09B0282950										
7: 09B0282950										
8: 09B0282964										
9: 09B0282962										
10: 09B0284806										
11: 09B0284811										
12: 09B0284855										
13: 09B0284870										
14: C2										
15: 09B0284872										
16: 09B0284883										
17: 09B0285004										
18: Negative_Q.C										
19: Cutoff_End										
20:										
21:										
22:										
23:										
24:										
25:										
26:										
27:										
28:										
29:										
30:										
31:										
32:										
33:										
34:										
35:										
36:										
37:										
Assay Accepted/ NOT Accepted				Signed						Date

CB-09-551509

5. OPEN_WORKLIST Macro

```
Sub open_worklist()
"
' open_worklist Macro
' Macro recorded 11/09/2008 by Richard Evers
,
' Import data from orders file
' GoTo bypass_import
Sheets("Import").Select
  Range("A1").Select
  Range(Selection, Selection.End(xlDown)).Select
  Selection.ClearContents
,
Application.DefaultFilePath = "\\winpath11\Results\Xcalibur2\"

fileToOpen = Application _
  .GetOpenFilename("Order Files (*.ord), *.ord", , 1, "Import Sequence", , 0)
If fileToOpen <> False Then

  Workbooks.Open fileToOpen
  ActiveWorkbook.RunAutoMacros xlAutoOpen
  importsheet = ActiveWorkbook.Name

End If

' Paste into IMPORT sheet

  Windows("worklist.txt").Activate
  Range(Selection, Selection.End(xlDown)).Select
  Range(Selection, Selection.End(xlToRight)).Select
  Selection.Copy
  Windows("LCMS Sequence import.xls").Activate
  Sheets("Import").Select
  Range("A1").Select
  ActiveSheet.Paste
  Range("A1").Select
  Selection.Copy
  Windows(importsheet).Close
  Windows("LCMS Sequence import.xls").Activate

' select samples for the worklist
Sheets("LCMS Worklist").Select
Range("D8").Select
last_seq = ActiveCell.Value
Range("N1").Select
next_seq = ActiveCell.Value

' Identify and ask for new worklist number

sequence = InputBox("The last recorded sequence was " + last_seq + ".
Please enter the next sequence number. (Preserve format XXXXnnnn)",
"Sequence Number", next_seq)
If sequence = "" Then GoTo end_routine

Range("D8").Select
```

ActiveCell.Value = sequence

' paste username

```
Range("g2").Select
UserName = Application.UserName
ActiveCell.Value = UserName
```

' clear previous details

```
Range("b13:b49").Select
Selection.Clear
Range("b59:B111").Select
Selection.Clear
Range("b13").Select
```

'batch = 1

'suffix\$ = batch

' add in QCs

```
ActiveCell.Value = "Cutoff"
ActiveCell.Offset(1, 0).Select
ActiveCell.Value = "C4"
ActiveCell.Offset(1, 0).Select
ActiveCell.Value = "Negative"
ActiveCell.Offset(1, 0).Select
```

```
Sheets("Import").Select
Range("a1").Select
```

' add qc + samples

Sample_Loop:

' Turn off screen updating

Application.ScreenUpdating = False

' Add maximum size worklist

For quality = 1 To 7

For next_sample = 1 To 10

'source sheet

```
Sheets("Import").Select
sample_ID = ActiveCell.Value
ActiveCell.Offset(1, 0).Select
```

If sample_ID = "" Then GoTo Exit_Loop ' If sample number is empty, abort loop

'destination

```
Sheets("LCMS Worklist").Select
ActiveCell.Value = sample_ID
If quality = 4 And next_sample = 1 Then ActiveCell.Offset(9, 0).Select
ActiveCell.Offset(1, 0).Select
If quality = 7 And next_sample = 8 Then GoTo Exit_Loop
```

Next

If quality = 1 Then ActiveCell.Value = "C2"

```

If quality = 2 Then ActiveCell.Value = "C3"
If quality = 3 Then ActiveCell.Value = "RIOTT"
If quality = 4 Then ActiveCell.Value = "Cutoff_2"
If quality = 5 Then ActiveCell.Value = "C4_2"
If quality = 6 Then ActiveCell.Value = "C3_2"
If quality = 7 Then ActiveCell.Value = "C2_2"
ActiveCell.Offset(1, 0).Select

```

Next

Exit_Loop:

```

Application.ScreenUpdating = True
Sheets("LCMS Worklist").Select

```

End_of_List:

' Add neg QCs

```

ActiveCell.Value = "Negative_QC"
ActiveCell.Offset(1, 0).Select
ActiveCell.Value = "Cutoff_End"

```

'set print area

```

'Sheets("LCMS Worklist").Select
'Range("n53").Select
'Pages = ActiveCell.Value
'If Pages = "" Then Range("a1:j52").Select
If quality < 4 Then ActiveSheet.PageSetup.PrintArea = "$a$2:$m$57"
If quality > 3 Then ActiveSheet.PageSetup.PrintArea = "$a$2:$m$119"

```

ActiveWorkbook.Save

end_routine:

```

Sheets("LCMS Worklist").Select

```

End Sub

6. EXPORT Macro

Sub export()

```

'vial = InputBox("What is the first vial of the sequence?", "Start Vial", 1)
'Sheets("Sequence").Select
'Range("g3").Select
'ActiveCell = vial
Sheets("LCMS Worklist").Select
Range("n8").Select
list_size = ActiveCell.Value
'list_size = list_size
Sheets("LCMS Worklist").Select
Range("d8").Select
worklist_name$ = ActiveCell.Value

```

```

Sheets("Sequence").Select
Sheets("Sequence").Copy

```

```

Cells.Select

```

```
Selection.Copy
Selection.PasteSpecial Paste:=xlPasteValues, Operation:=xlNone,
SkipBlanks _
:=False, Transpose:=False
```

```
Range("a3").Select
ActiveCell.Offset(list_size, 0).Select
Range(Selection, Selection.End(xlDown)).Select
Range(Selection, Selection.Offset(0, 20)).Select
Selection.Delete Shift:=xlUp
```

```
Range("a1").Select
file_name$ = "g:\CHEM\Toxicology\Charts & Forms\Drugs\FTP" +
worklist_name$ + ".csv"
```

```
ActiveWorkbook.SaveAs Filename:= _
file_name$, FileFormat:= _
xlCSV, CreateBackup:=False
```

```
ActiveWorkbook.Close
Windows("LCMS Sequence import.xls").Activate
Sheets("LCMS Worklist").Select
End Sub
```