

Title: Importing Data from 3M™ Microbial Luminescence System [MLS] into Microsoft Excel®

Number: TB.070.00

Effective Date: February 2008

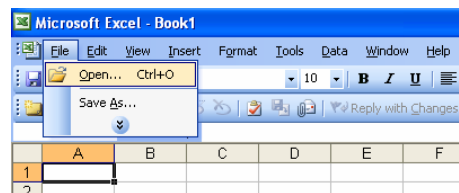
Supersedes: New

Technology Platform: 3M™ Microbial Luminescence System [MLS]

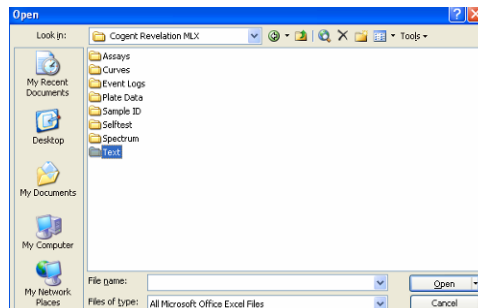
Originating Location: St. Paul, Minnesota

The purpose of this Technical Bulletin is to provide a protocol to import the MLS data from the 3M™ MLS into Microsoft Excel [MS-Excel].

1. Open MS-Excel (version 2003 used in this example).
2. Click on “File” and then select “Open”.

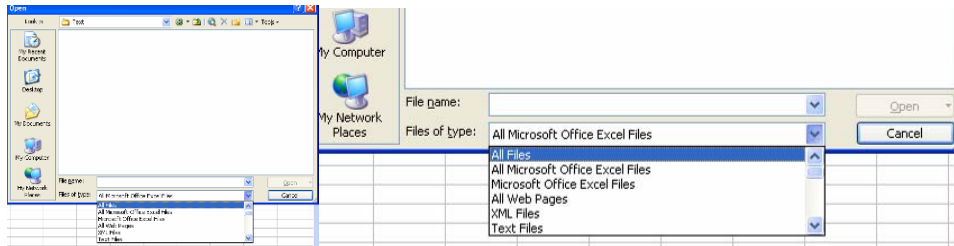


3. Navigate through the Windows® File Selection options to find the data (typically in C:\Program Files\Cogent Revelation MLX\Text).

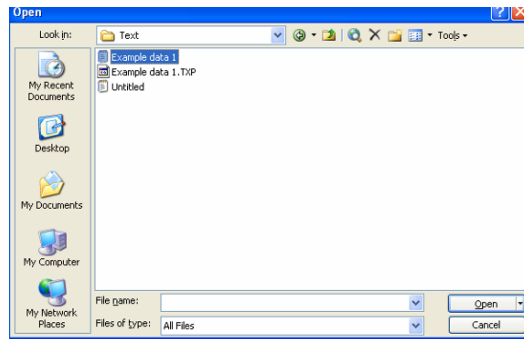


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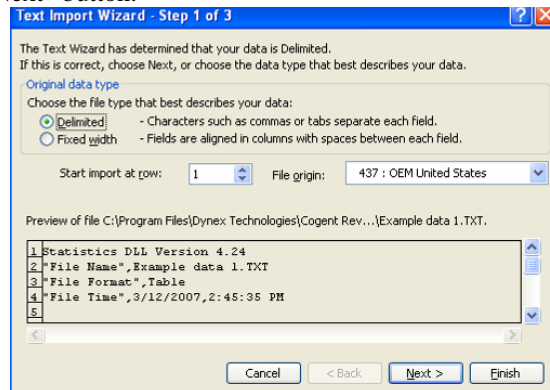
- In the bottom of the “Open” screen are options of what file type to select (defaults to All Microsoft Office Excel Files). Select “All Files” from the drop-down menu.



- A list of all of .txt files containing data from UHT runs will be displayed. Select the file to import and then click on the “Open” button.

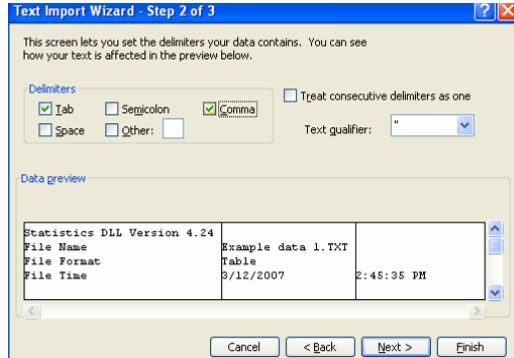


- The Text Import Wizard will open and provide a number of options for importing the data. Ensure “Delimited” is selected and click on the “Next” button.

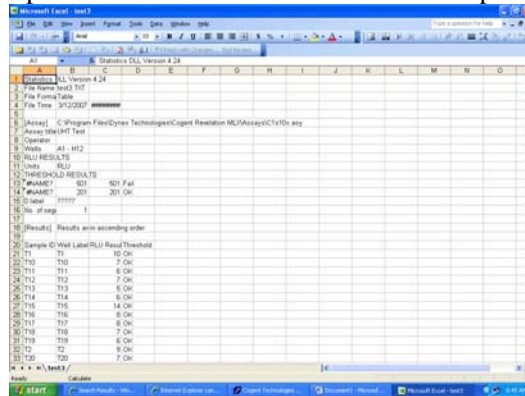


- From the next screen, ensure “Comma” checkbox is checked and then click on the “Next” button.

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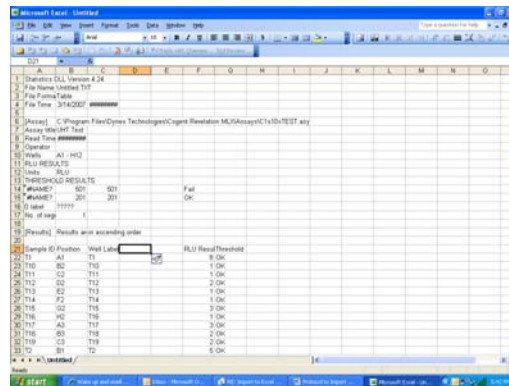


8. Click next on the final Text Import Wizard screen and the data will be imported into MS-Excel.



NOTE: depending on the settings of the Cogent Revelation™ Software, the wells may be ordered “T1, T10, T11....T19, T2, T20, T21....etc.”

9. Insert two columns to the left of the RLU Results column.



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- In the first column select the cell immediately to the right of the "T1" under the Well Label. Select Insert, Function, and select the "MID" function. Click on the Text space and then on the Well Label cell containing the "T1", then enter 2 in the Start_num and Num_chars spaces...click OK.

The screenshot shows a Microsoft Excel spreadsheet with the following data:

Sample ID	Position	Well Label	RLU Result
T1	A1	T1	8 OK
T10	B2	T10	1 OK
T11	C2	T11	1 OK
T12	D2	T12	2 OK
T13	E2	T13	1 OK
T14	F2	T14	1 OK
T15	G2	T15	3 OK
T16	H2	T16	1 OK
T17	A3	T17	3 OK
T18	B3	T18	2 OK
T19	C3	T19	2 OK
T2	B1	T2	5 OK

The 'Function Arguments' dialog box for the MID function is shown with the following settings:

- Text: C22
- Start_num: 2
- Num_chars: 2

The formula result is 1.

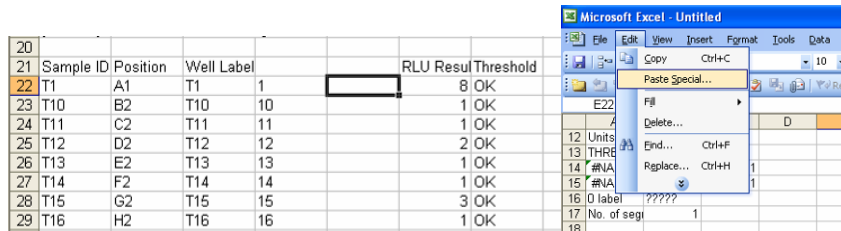
- Highlight the cells in the column containing the number 1 just generated which are next to the "T" values under the Well Label. Press Ctrl + D to fill down the formula converting the "T" labeled columns to just numbers.

The screenshot shows a Microsoft Excel spreadsheet with the following data:

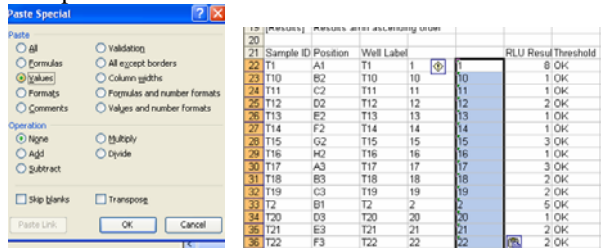
Sample ID	Position	Well Label	RLU Result	
92	T73	A10	T73	1 OK
93	T74	B10	T74	1 OK
94	T75	C10	T75	2 OK
95	T76	D10	T76	1 OK
96	T77	E10	T77	2 OK
97	T78	F10	T78	1 OK
98	T79	G10	T79	2 OK
99	T8	H1	T8	2 OK
100	T80	H10	T80	1 OK
101	T81	A11	T81	0 OK
102	T82	B11	T82	1 OK
103	T83	C11	T83	36 OK
104	T84	D11	T84	27 OK
105	T85	E11	T85	2304 Fail
106	T86	F11	T86	36 OK
107	T87	G11	T87	1504 Fail
108	T88	H11	T88	233 ?????
109	T89	A12	T89	1 OK
110	T9	A2	T9	2 OK
111	T90	B12	T90	1 OK
112	T91	C12	T91	1 OK
113	T92	D12	T92	1 OK
114	T93	E12	T93	1 OK
115	T94	F12	T94	1 OK
116	T95	G12	T95	1 OK
117	T96	H12	T96	1 OK
118				118
119				End of results
120				120

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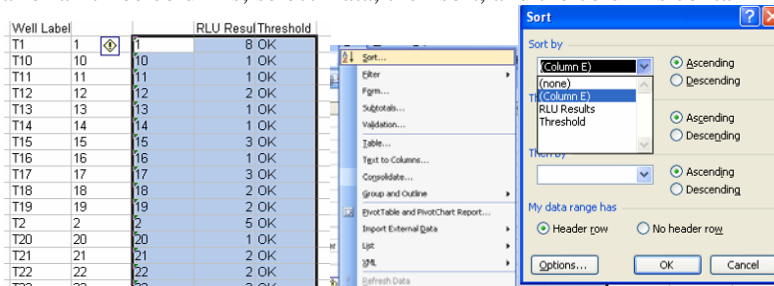
- Press Ctrl + C to copy the data just generated; select the cell immediately to the left of the “1” in the column just copied. Select Edit, Paste Special.



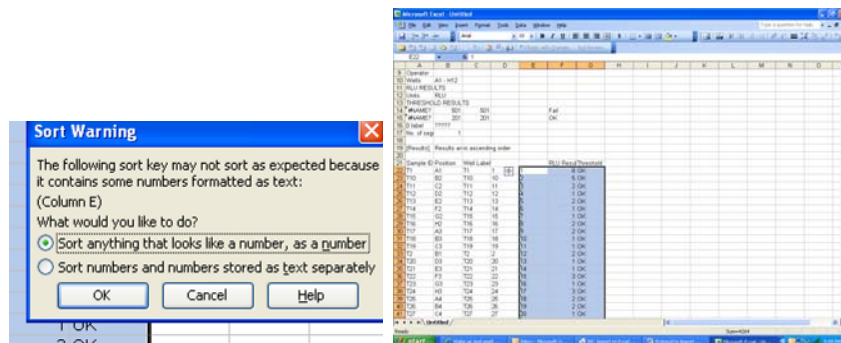
Select Values from the Paste Special menu and then OK.



- Highlight the data for all three columns; select Data, then sort, and the columns containing the numbers just pasted.



Select “treat anything that looks like a number as a number”. This will sort the data by true well number in ascending order.





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