

## **MetaXpress® 6.5 Software Guide**

**Plate Annotation** 

Date Revised 7/17/2019 Version B



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# What is plate annotation?

- Assigning sample information to specific wells of your plate:
  - Compound
  - Concentration
  - Category / group
- Annotation is specific for a plate
  - Applied across all measurement sets (analyses)
- Create annotation in MetaXpress/AcuityXpress, or import text file
- Batch annotation option for annotating multiple plates (for a screen)





# **Editing Plate Annotation**

- In MetaXpress version 6.5: **Screening > Plate Annotation**
- In the optional AcuityXpress software: Manage > Plate Layouts

#### MX 6.5 Simplified Menu

Screening	Window Help
Acqui	isition Setup
Review	w Plate
Plate	Utilities
Plate	Annotation
Plate	Acquisition
Plate	Acquisition and Control
Enabl	e External Control
Add C	Custom Module To Database [DB]
Add A	Analysis To Database [DB]
Start /	Auto Run Mode [DB]
Auto	Run Plate Statuses [DB]

#### MX 6.5 Standard Menu

cre	ening	Apps	Mobile	Window	Help	
	Plate	Acquisit	ion			
	Plate	Acquisit	ion Setup			
	Plate	Acquisit	ion and C	ontrol		
	Enabl	e Externa	al Control			
	Review	w Plate [	Data [DB].			
	Plate	Data Uti	lities [DB]			
	Plate	Annotat	ion [DB].	(		
	Add A	analysis	To Databa	Be [DB]		
	Add C	ustom I	Module To	o Database	[DB]	
	Start /	Auto Rui	n Mode [[	0 <mark>8]</mark>		
	Auto	Run Plat	e Statuse	[DB]		

#### AcuityXpress 2.1

<u>M</u> anage	<u>C</u> onfigure	Data <u>b</u> ase	<u>H</u> elp
Plates	5		
Plate	Layouts		
Meas	uren ent Set	is	
Row I	Descriptors \	Warehouse:	s
Web	Links		





# Updating MX Simplified Menu

- If you do not see the Plate Annotation option in the simplified menu after updating to MetaXpress version 6.5, update the menu:
  - 1. Go to

https://mdc.custhelp.com/app/answers/detail/a\_id/20100 and download the latest version of the taskbar and documentation

- 2. Go to Control > Journal > Import Journal Suite to import the taskbar, typically into C:\MX6\Taskbars
- 3. Load the Main Taskbar
- 4. Run the Taskbar Installer and select the option to **Configure simplified menu**
- 5. Choose to **Install** the simplified menu.
- 6. Select current group or all groups.
- 7. Restart the MetaXpress program.







T	Mai 📼 🔲 🖾
	Run a Plate
	Slide Scanning
	Analyze Images
	System Maintenance
	Help
	12
	Run IX Taskbar Installer

1. Detect system configuration
2. Create recommended folders
<ol><li>Copy recommended files</li></ol>
4. Reset file paths
5. Configure simplified menu
<ol> <li>Enable Center on Click function</li> </ol>



### **Plate Annotation interface**

	LADIE.	Unt	titled									
Curr	rent Layo	ut: Uni	titled									
_	01	02	03	04	05	06	07	08	09	10	11	12
Er	mpty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
AUU	ndefined uM	Undefined 0 uM	Undefined 0 uM	Undefined 0 uM			0 uM	Undefined	Undefined 0 uM	Undefined 0 uM		0 uM
E	moty	Empty	Emoty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
BOU	ndefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
0	μM	0 µM	0 μΜ	0 μΜ	0 µM	0 µM	0 μΜ	0 μΜ	0 μΜ	0 µM	0 μΜ	0 μΜ
Er	mpty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
cqu	ndefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
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	ndefined	Empty	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Empty	Undefined	Undefined
0	μM	0 µM	0 µM	0 µM	0 µM	0 μΜ	0 μΜ	0 µM	0 µM	0 µM	0 µM	0 µM
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0	μМ	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 μM	0 µM	0 µM	0 µM	0 µM
En	mpty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
0	uM	0 uM	0 uM	0 uM	0 uM	0 uM	0 uM	0 uM	0 uM	0 uM	0 uM	0 uM
Er	mpty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
GCU	ndefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
0	μM	0 µM	0μΜ	0 µM	0 µM	0 μΜ	0 µМ	0μΜ	0 μΜ	0 µM	0 µM	0 µM
Er	mpty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
HOU	ndefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined





## **Plate Annotation options**

- □ New (Ctrl + N)
- Open (Ctrl + O)
- Save (Ctrl + S)
- Save As (Ctrl + Shift + A)
- Print (Ctrl + P)
- Annotate Plate (Ctrl + D)
- Configure (Ctrl + Shift + C)
- Annotate Wells (Ctrl + Shift + S)
- Compact View
- Detailed View
  - Batch Annotations (Ctrl + D)

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8 - SS							

Te	emplate:		titled	s Rá	1							
c	urrent Layo	out: Un	titled									
-	01	02	03	04	05	06	07	08	09	10	11	12
A	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM
в	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
	0 uM	0 uM	0 uM	0 µM	0 uM	0 µM	0 uM					
с	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM
D	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM
E	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM
F	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM
G	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM
н	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM





## **Typical workflows**

Manually create plate layout



### Import or open existing plate layout







# Configure - Select plate format

• Select a pre-defined plate format or define a custom plate type.



Configure Plate Layo	out	
Layout geometry Plate format: Number of Rows: Number of Columns:	96 well Custom 24 well 96 well 384 well 1536 well	OK Cancel
Display settings Font 8 Show: ♥ Group ♥ Compou ♥ Compou	nd-1: Name nd-1: Concentration	





# Annotate wells

- Highlight block of wells
- Click Annotate
   Wells icon
- Enter group, compound, and concentration information
- Repeat for other blocks of wells as necessary

er u	mplate: rrent Layo	Uni ut: Uni	titled titled									
	01	02	03	04	05	06	07	08	09	10	11	12
	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
	D µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM
	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
	D µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM
	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
	D µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM
	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
	D µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM
	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
	D µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM
	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
	D µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM
	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty	Empty
	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined	Undefined
	D µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM	0 µM
	Empty Undefined	Empty Undefined 0M	Empty Undefined 0.uM	Empty Undefined 0 uM	Empty Undefined	Empty Undefined	Empty Undefined	Empty Undefined 0.uM	Empty Undefined 0 uM	Empty Undefined	Empty Undefined	Empty Undefined





# Example serial dilution

- Set up serial dilution from top to bottom
- All concentrations
   are in uM
- Top concentration is 50 um
- 5-fold dilutions down the rows
- Replicates in the columns

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L		<u> </u>				6		3			- 4	2	P	4	X									
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				L				in the second							-	-								
	04	02	02	0.4	05	00	07	0.9	00	40	44	40	42	44	45	40	47	40	40	20	24	22	22	24
A	A01	A02	A03	A04	A05	A06	A07	A08	A09	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24
в	B01	B02	B03	B04	B05	B06	B07	B08	B09	B10	B11	B12	B13	B14	B15	B16	B17	B18	B19	B20	B21	B22	B23	B24
c	C01	C02	C03	C04	C05	C06	C07	C08	C09	C10	C11	C12	C13	C14	C15	C16	C17	C18	C19	C20	C21	C22	C23	C24
D	D01	D02	D03	D04	D05	D06	D07	D08	D09	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20	D21	D22	D23	D24
E	E01	E02	E03	E04	E05	E06	E07	E08	E09	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24
F	F01	F02	F03	F04	F05	F06	F07	F08	F09	F10	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24
G	G01	G02	G03	G04	G05	G06	G07	G08	G09	G10	G11	G12	G13	G14	G15	G16	G17	G18	G19	G20	G21	G22	G23	G24
н	H01	H02	H03	H04	H05	H06	H07	H08	H09	H10	H11	H12	H13	H14	H15	H16	H17	H18	H19	H20	H21	H22	H23	H24
I.	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124
J	J01	J02	J03	J04	J05	J06	J07	J08	J09	J10	J11	J12	J13	J14	J15	J16	J17	J18	J19	J20	J21	J22	J23	J24
к	K01	K02	K03	K04	K05	K06	K07	K08	K09	K10	K11	K12	K13	K14	K15	K16	K17	K18	K19	K20	K21	K22	K23	K24
L	L01	L02	L03	L04	L05	L06	L07	L08	L09	L10	L11	L12	L13	L14	L15	L16	L17	L18	L19	L20	L21	L22	L23	L24
м	M01	M02	M03	M04	M05	M06	M07	M08	M09	M10	M11	M12	M13	M14	M15	M16	M17	M18	M19	M20	M21	M22	M23	M24
N	N01	N02	N03	N04	N05	N06	N07	N08	N09	N10	N11	N12	N13	N14	N15	N16	N17	N18	N19	N20	N21	N22	N23	N24
0	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024
D	D01	P02	D03	P04	P05	POG	P07	P08	P09	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	D24





# **Example serial dilution**

### Identify Controls or other Groups

- Set up serial dilution from top to bottom
- All concentrations are in uM
- Top concentration is 50 um
- 5-fold dilutions down the rows
- Replicates in the columns



**Serial Dilution** 





### Or edit plate layout in Excel

- From Plate Annotation, select Save As > File to save an example plate layout file
- Edit the file in Excel
- Save the edited file as .txt (tab-delimited text)
- From Plate Annotation, select Open > File to import the annotations

	А	В	С	D	E
55	B14	Empty	Undefined	0	μM
56	B15	Empty	Undefined	0	μM
57	B16	Empty	Undefined	0	μM
58	B17	Empty	Undefined	0	μM
59	B18	Empty	Undefined	0	μM
60	B19	Empty	Undefined	0	μM
61	B20	Empty	Undefined	0	μM
62	B21	Empty	Undefined	0	μM
63	B22	Empty	Undefined	0	μΜ
64	B23	Empty	Undefined	0	μM
65	B24	Empty	Undefined	0	μM
66	C01	Empty	Undefined	0	μM
67	C02	Empty	Undefined	0	μM
68	C03	POS-CTRL	Isoproterer	50	μM
69	C04	POS-CTRL	Isoproterer	50	μM
70	C05	POS-CTRL	Isoproterer	50	μM
71	C06	TEST	TestComp	50	μM
72	C07	TEST	TestComp	50	μM
73	C08	TEST	TestComp	50	μΜ
74	C09	Empty	Undefined	0	μM
75	C10	Empty	Undefined	0	μM







# Select plate(s) to annotate

	384 well (16	X 24), 1 co	moound, C:\	Documents a	nd Settings\	paular\	Desktop\2008-Imaging-CD\training\demodata\Annotations
[	) 🖻 日			8 8 3	● 🔍		
т	emplate:	Untitled					
¢	urrent Layout:	Untitled					Plate Dialog
_							
	01	02	03	04	05	Empty	
A	Undefined 0 µM	Undefined 0 µM	Undefined 0 µM	Undefined 0 µM	Undefined 0 µM	Undefi 0 µM	Plates     System Administrator [Creator Name - Plate Info]     Gy12/07 [Date Created - Plate Info]     Dy12/07 [Date Created - Plate Info]     Dy116/08 [Date Created - Plate Info]
в	Empty Undefined 0 µM	Empty Undefined 0 µM	Empty Undefined 0 µM	Empty Undefined 0 µM	Empty Undefined 0 µM	Empty Undef 0 µM	
с	Empty Undefined 0 µM	Empty Undefined 0 µM	POS-CTRL Isoproterenol 50 µM	POS-CTRL Isoproterenol 50 µM	POS-CTRL Isoproterenol 50 µM	TEST TestCo 50 µM	
D	Empty Undefined 0 µM	Empty Undefined 0 µM	TEST Isoproterenol 10 µM	TEST Isoproterenol 10 µM	TEST Isoproterenol 10 µM	TEST TestCo 10 µM	Name         Prile         Acquisitu         Barcode         Creator         Date tylin           Demo dataset 5 Angiogenesis.PRIC         Demo dat         Creator         Date tylin         Demo dataset 1 adipogenesis.PRIC           dataset 1 adipogenisis_PRICKERT-U         dataset 1 <null>         System A         09/12/07           dataset 3 Neurite rinat B_PRICKERT-U         dataset 3         System A         09/12/07           dataset 5 Neurite rinat B_PRICKERT         dataset 5         <null>         System A         09/12/07</null></null>
E	Empty Undefined 0 µM	Empty Undefined 0 µM	TEST Isoproterenol 2 µM	TEST Isoproterenol 2 µM	TEST Isoproterenol 2 µM	TEST TestCo 2 µM	dataset 7 Apoptosis_PRICKERT-UCL dataset 7 <null> System A 09/12/07 TransfluorPitsBinned_PRICKERT-UCL Transfluo <null> System A 09/12/07 TransfluorVesidesBinned_PRICKERT Transfluo <null> System A 09/12/07</null></null></null>
F	Empty Undefined 0 µM	Empty Undefined 0 µM	TEST Isoproterenol 0.4 µM	TEST Isoproterenol 0.4 µM	TEST Isoproterenol 0.4 µM	TEST TestCo 0.4 µM	Plate Statistics
G	Empty Undefined 0 µM	Empty Undefined 0 µM	TEST Isoproterenol 0.08 µM	TEST Isoproterenol 0.08 µM	TEST Isoproterenol 0.08 µM	TEST TestCo 0.08 µ	Plate Name         S.         W         S.         C         C         Cont         E         M           TransfluorVesidesBinned_PRICKERT-UCLT_29         72         72         70         0 <null>         4         12</null>
н	Empty Undefined 0 µM	Empty Undefined 0 µM	TEST Isoproterenol 0.016 µM	TEST Isoproterenol 0.016 µM	TEST Isoproterenol 0.016 µM	TEST TestCo 0.016	Select Cancel
ı	Empty Undefined 0 µM	Empty Undefined 0 µM	TEST Isoproterenol 0.0032 µM	TEST Isoproterenol 0.0032 µM	TEST Isoproterenol 0.0032 µM	TEST TestCon 0.0032	TEST     TEST     Empty     Empty     Er       appound     TestCompound     TestCompound     Undefined     Undefined     Ur       IM     0.0032 µM     0.0032 µM     0 µM     0 µM     0
J	Empty Undefined	Empty Undefined	TEST Isoproterenol	TEST Isoproterenol	TEST Isoproterenol	TEST TestCor	TEST TEST Empty Empty En TestCompound TestCompound Undefined Undefined Ur

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- Put multiple plates layouts in one text file
- Identify individual plates through one of the following:
  - Barcode
  - Plate Name
  - Plate ID
- Set "ID\_Name" and "ID\_Value" accordingly

\$HeaderSt	art\$			
TemplateN	ame=Untitl	ed		
TemplateD	esc=			
\$HeaderEn	nd\$			
\$LayoutHe	aderStart\$			
Rows=16				
Columns=2	24			
Format=0				
Compound	s=1			
Description	n=ND00116	37		
Name=Tra	nsfluor LOF	AC Agonis	t ND001163	37
ID_Name=	Barcode			
ID_Display	Name=			
ID_Value=	ND0011637			
ID_Value= \$LayoutHe	ND0011637 aderEnd\$			
ID_Value= SLayoutHe \$LayoutDa	ND0011637 aderEnd\$ taStart\$			
ID_Value=I \$LayoutHe \$LayoutDa WELL	ND0011637 aderEnd\$ taStart\$ GROUP	COMPOU	CONCENT	UNIT1
ID_Value=I SLayoutHe SLayoutDa WELL A01	ND0011637 aderEnd\$ taStart\$ GROUP Empty	COMPOUI Undefined	CONCENT 0	UNIT1 µM
ID_Value=I SLayoutHe \$LayoutDa WELL A01 A02	ND0011637 aderEnd\$ taStart\$ GROUP Empty Empty	COMPOUI Undefined Undefined	CONCENT 0 0	UNIT1 µM µM
ID_Value=I SLayoutHe SLayoutDa WELL A01 A02 A03	ND0011637 aderEnd\$ taStart\$ GROUP Empty Empty TEST	COMPOUI Undefined Undefined DL-alpha-N	CONCENT 0 0 10	UNIT1 µM µM
ID_Value=I SLayoutHe \$LayoutDa WELL A01 A02 A03 A04	ND0011637 aderEnd\$ taStart\$ GROUP Empty Empty TEST TEST	COMPOUI Undefined Undefined DL-alpha-N N-Acetyl-L	CONCENT 0 0 10 10	UNIT1 µM µM µM µM
ID_Value=I SLayoutHe \$LayoutDa WELL A01 A02 A03 A04 A05	ND0011637 aderEnd\$ taStart\$ GROUP Empty Empty TEST TEST TEST	COMPOUI Undefined Undefined DL-alpha-N N-Acetyl-L 6-Methoxy	CONCENT 0 0 10 10 10	UNIT1 µM µM µM µM µM
ID_Value=I SLayoutHe SLayoutDa WELL A01 A02 A03 A04 A05 A06	ND0011637 aderEnd\$ ttaStart\$ GROUP Empty Empty TEST TEST TEST TEST	COMPOUI Undefined Undefined DL-alpha-N N-Acetyl-L 6-Methoxy 6-Aminohe	CONCENT 0 0 10 10 10 10 10	UNIT1 µM µM µM µM µM µM µM
ID_Value=I SLayoutHe SLayoutDa WELL A01 A02 A03 A04 A05 A06 A07	ND0011637 aderEnd\$ taStart\$ GROUP Empty Empty TEST TEST TEST TEST TEST	COMPOUI Undefined Undefined DL-alpha-N N-Acetyl-L 6-Methoxy 6-Aminohe Acetamide	CONCENT 0 0 10 10 10 10 10	UNIT1 µM µM µM µM µM µM µM
ID_Value=I SLayoutHe \$LayoutDa WELL A01 A02 A03 A04 A05 A06 A07 A08	ND0011637 aderEnd\$ taStart\$ GROUP Empty Empty TEST TEST TEST TEST TEST TEST TEST	COMPOUI Undefined Undefined DL-alpha-N N-Acetyl-L 6-Methoxy 6-Aminohe Acetamide Altretamine	CONCENT 0 0 10 10 10 10 10 10	UNIT1 μM μM μM μM μM μM μM μM μM
ID_Value=I SLayoutHe &LayoutDa WELL A01 A02 A03 A04 A05 A06 A07 A08 A09	ND0011637 aderEnd\$ taStart\$ GROUP Empty Empty TEST TEST TEST TEST TEST TEST TEST TES	COMPOUI Undefined Undefined DL-alpha-N N-Acetyl-L 6-Methoxy 6-Aminohe Acetamide Altretamine Amantadin	CONCENT 0 0 10 10 10 10 10 10 10 10	UNIT1 µM µM µM µM µM µM µM µM µM µM





 Open text file in the Plate Layout Manager

	9	6 well (8	3 X 12)	, 1 compo	und, Unt	itled							
	C			1	5		9	R					
	Te	mplate:	Ī	Intitled									
	C	urrent Layo	out:	Intitled									
ſ		01	02	03	04	05	06	07	08	09	10	11	12
	A	Empty Undefined	Empty Undefine	Empty d Undefined	Empty Undefined	Empty Undefined	Empty Undefined	Empty Undefined	Empty Undefined	Empty Undefined	Empty Undefined	Empty Undefined	Empty Undefined
	в	0 µM Empty Undefined 0 µM	0 µM Empty Undefine 0 µM	0 µM Empty ed Undefined 0 µM	0 µM Empty Undefined	0 µM Empty Undefined 0 µM	0 µM Empty Undefined 0 µM						
	с	Empty Undefined 0 µM	Empty Undefine 0 µM	Empty ed Undefined 0 µM	Empty Undefined 0 µM	Empty Undefined 0 µM	Empty Undefined 0 µM						
	D	Empty Undefined 0 µM	Empty Undefine 0 µM	Empty ed Undefined 0 µM	Empty Undefined 0 µM	Empty Undefined 0 µM	Empty Undefined 0 µM						
	E	Empty Undefined 0 µM	Empty Undefine 0 µM	Empty ed Undefined 0 µM	Empty Undefined 0 µM	Empty Undefined 0 µM	Empty Undefined 0 µM						
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# **Batch Annotation – opening layout**

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For research use only. Not for use in diagnostic procedures.

Custom (16 X	24), 1 compound, C:\Documents	s and Settings\paular\My Documents\Imaging_Collate
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Template:	Untitled	
Current Layout:	Transfluor LOPAC Agonist ND0011641	
52895		-)-Physostigmine N 10 µM 1
ein		TEST T 2-Chloro-N6-cyclopentyladenosine 1 10 μM 1
1696 fumarate	E	TEST T 5-64d H 10 µM 1
dine		TEST T I-(m-Chlorophenyl)-biguanide hydrochloride 3 ΙΟ μΜ 1
pentin	1	TEST T Seta-Estradiol H L0 JM 1

Click Select icon to view different layouts in batch template





Use the Batch Annotations button

Custom (16 X	24), 1 compound, Tr	ansfluor Agonist Screen 3	
Template:	Untitled		
Current Layout:	Transfluor Agonist Scree	n 3	
ulfide dihydrobromid	e	lodoacetamide 10 µM	Isoproterenol 1 µM
		TEST Etoposide 10 µM	POS-CTRL Isoproterenol 1 µM
		TEST HA-100 10 μΜ	POS-CTRL Isoproterenol 1 µM
rroline-N-oxide"		TEST ET-18-OCH3 10 μM	POS-CTRL Isoproterenol 1 µM
		TEST Ipratropium bromide 10 μM	POS-CTRL Isoproterenol 1 µM
ine"		TEST Etazolate hydrochloride 10 µM	POS-CTRL Isoproterenol 1 µM
		TEST Idarubicin 10 μM	POS-CTRL Isoproterenol 1 µM





- Select all plates for batch annotation
- Use Ctrl or Shift to multi-select

Plate Dialog						
Plates   System Administrator [Creator Name - Plate Info]     06/03/08 [Date Created - Plate Info]						
Name [Plate Info]	Acquisiti	Barcode [Plate Info]	Creator	Date\Tim	Unique I	
Transfluor Agonist A_PRICKERT-UCLT_30 Transfluor Agonist B_PRICKERT-UCLT_31 Transfluor Agonist C_PRICKERT-UCLT_32 Transfluor Agonist D_PRICKERT-UCLT_33 DoseResponseExample_PRICKERT-UCLT_34 Transfluor Agonist Screen 4 Transfluor Agonist Screen 1 Transfluor Agonist Screen 2	Transfluo Transfluo Transfluo Transfluo DoseRes <null> <null> <null></null></null></null>	<null> <null> <null> <null> <null> ND0011649 ND0011637 ND0011641</null></null></null></null></null>	System A System A System A System A System A System A System A	06/03/08 06/03/08 06/03/08 06/03/08 06/03/08 06/03/08 06/03/08 06/03/08	1 2 3 4 5 17 18 19	
Transfluor Agonist Screen 3		ND0011645	System A	06/03/08	20	
Plate Name         £         1         £         C         Cont         E           Transfluor Agonist Screen 4         0	1					
		Select			Cancel	





1	L. Unique ID [Plate	Lay	Layout ID .	Status	Descr
2	19	Barcode	ND0011641	Annotated	
3	20	Barcode	ND0011645	Annotated	
4	17	Barcode	ND0011649	Annotated	2010/2012

• Check the resulting report to verify each plate is "Annotated"





# Updating plate annotations

- You can update the plate annotation at any point, except:
  - If you have made a dataset from that plate in the optional AcuityXpress software
  - In this case, changes to the plate annotation would invalidate analysis results
- You can update plate annotation after viewing curve fit or peak analysis results in the MetaXpress software









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