

Version No.: 28 Sept 12

Setup Guide on the Molecular Devices FilterMax™ F5 Multi-Mode Microplate Reader

Setup for GeneBLAzer[®] Assay on Molecular Devices FilterMax[™] F5 Microplate Reader with SoftMax[®] Pro 6.1 Software

Molecular Devices' FilterMax[™] F5 Multi-Mode Microplate Reader was tested for compatibility with Life Technologies' GeneBLAzer[®] assays. The following document is intended to demonstrate setup of this instrument.

For more detailed information and technical support of Life Technologies assays, please call 1-800-955-6288 and enter extension 40266 or email <u>drugdiscoverytech@lifetech.com</u>.

For more detailed information and technical support of Molecular Devices instruments or software, please contact Molecular Devices at 1-800-635-5577 or <u>www.moleculardevices.com</u>.



Version No.: 28 Sept 12

Page 2 of 20

Setup Guide on the Molecular Devices FilterMax™ F5 Multi-Mode Microplate Reader

A. Recommended Optics

P/N	Filter information
6590-0048	FilterMax™ Fluorescence Excitation Filter 405 nm (bandwidth 30 nm)
6590-0056	FilterMax™ Fluorescence Excitation Filter 465 nm (bandwidth 35 nm)
6590-0057	FilterMax™ Fluorescence Excitation Filter 535 nm (bandwidth 25 nm)

Note: Ex 405/30 and Em 465/35 do not ship with the F5. Em 535/25 does ship with F5 as part of default Emission Slide 1, but because it is not recommended to make changes to the default slide configuration, users may wish to order a separate 535-nm filter.

Users will need to obtain additional filter slides in which they can install the above filters:

P/N	Slide information					
	FilterMax [™] Custom Fluorescence Excitation Slide (#21)					
5008588	Empty slider can be configured for all Methods except FP.					
5000500	FilterMax™ Custom Fluorescence Emission Slide (#21)					
5008589	Empty slider can be configured for all Methods except FP.					



Version No.: 28 Sept 12

Page 3 of 20

Setup Guide on the Molecular Devices FilterMax™ F5 Multi-Mode Microplate Reader

B. Instrument Setup:

Configuration of filter slides in SoftMax[®] Pro software

1. Open SoftMax[®] Pro software. In the Operations tab, click "Info":



This opens the Instrument Information window:

nstrume	ent In	formati	on				
FilterM	ax F	5					
PIC Versio	n:					Up	date
Firmware	Versior	n: S	imulated	ł		Up	date
Serial Nun	nber:	0	000				
Device Nu	mber:	1	.41				
Inserted	Excitati	ion Slide					
Position	1	2	3	4	5	6	Slide ID
							N/A
WL mn N	lo Filter	No Filter	No Filter	No Filter	No Filter	No Filter	
	0	0	0	0	0	0	
BW nm	0						
BW nm Mode	-	-	-	-	-	-	
BW nm Mode Inserted	- Emissio	- n Slide –	-	-	-	-	
BW nm Mode Inserted Position	- Emissio	- n Slide - 2	-	-	-	-	Slide ID
BW nm Mode Inserted Position	- Emissio	on Slide -	3	4	5	6	Slide ID N/A
BW nm Mode Inserted Position	Emissio	- on Slide - 2 No Filter	- 3 No Filter	4 No Filter	5 No Filter	6 No Filter	Slide ID N/A
BW nm Mode Inserted Position WL nm N BW nm	Emissio 1 lo Filter 0	- 2 No Filter 0	- 3 No Filter 0	4 No Filter 0	5 No Filter 0	- 6 No Filter 0	Slide ID N/A



Page 4 of 20

Setup Guide on the Molecular Devices FilterMax™ F5 Multi-Mode Microplate Reader

2. Click "Edit Slide Configuration". This opens the Filter Settings window:

🧟 Filter Settings	\mathbf{X}
Filter Slides	
C Excitation Emission 	
Add Slide 🕑 1	Filter Slide Properties Slide ID
Remove Slide	
Export selected Slide	
Import Slides	
Load Slides	Slide ID Identification number of the selected filter
Export Slides	slide.

3. Click the radio button next to "Excitation" and click "Add Slide".

👰 Filter Settings				×
Filter Slides	Emission			٢
Add Slide	⊬1 ⊬2	Filter Slide F Slide ID	Properties 3	
Remove Slide	No Filter			
Export selected Slide	No Filter No Filter			
Import Slides	No Filter No Filter			
Load Slides		Slide ID Identification nur	mber of the selected filte	r
Export Slides		slide.		



Version No.: 28 Sept 12

Page 5 of 20

- Setup Guide on the Molecular Devices FilterMax™ F5 Multi-Mode Microplate Reader
- 4. Under Filter Slide Properties, type "21" next to Slide ID.

👰 Filter Settings		Σ
Filter Slides	C Emission	0
Add Slide		Filter Slide Properties Slide ID 21
Remove Slide	⊡ 21 No Filter No Filter	
Export selected Slide	No Filter No Filter	
Import Slides	No Filter No Filter	
Load Slides		Slide ID Identification number of the selected filter
Export Slides		slide.

5. In the list below the slide number 21, select the position where the excitation filter is installed and enter the appropriate values under "Filter Properties". Click Apply to save.

🧖 Filter Settings					×
Filter Slides	C Emission				2
Add Slide Remove Slide Export selected Slide Import Slides Load Slides	 I I	B	Filter Properti Wavelength Technique(s) Bandwidth Installed Position Order#	es 405 Fluorescence 30 Yes 1	
Export Slides			ок	Cancel App	



Version No.: 28 Sept 12

Page 6 of 20

- Setup Guide on the Molecular Devices FilterMax™ F5 Multi-Mode Microplate Reader
- 6. Click the radio button next to "Emission" and click "Add Slide"

👰 Filter Settings				×
Filter Slides	ission			
Add Slide		E Filter Slide Prop Slide ID	perties 2	
Remove Slide	No Filter No Filter No Filter			
Export selected Slide	- No Filter No Filter			
Import Slides	···· No Filter			
Load Slides		Slide ID Identification numbe	r of the selected filter	
Export Slides		slide.		

7. Under Filter Slide Properties, type "21" next to Slide ID.

A Filter Settings		X
Filter Slides	Emission	
Add Slide		Filter Slide Properties Slide ID 21
Export selected	No Filter No Filter No Filter	
Import Slides	No Filter	
Load Slides		Slide ID Identification number of the selected filter
Export Slides		slide.



Version No.: 28 Sept 12

Page 7 of 20

Setup Guide on the Molecular Devices FilterMax™ F5 Multi-Mode Microplate Reader

8. In the list below the slide number 21, select the positions where the emission filters are installed and enter the appropriate values under "Filter Properties". Click Apply to save.

A Filter Settings					
Filter Slides	• Emission				
Add Slide Remove Slide Export selected Slide Import Slides	 ● 1 ● 2 ● 465 ● No Filter 	E	Filter Propertie Wavelength Technique(s) Bandwidth Installed Position Order#	es 465 Fluorescence 35 Yes 1	
Load Slides Export Slides		E	Candwidth Candwidth of the S	elected filter.	
			OK	Cancel App	ply



Version No.: 28 Sept 12

Page 8 of 20

Setup Guide on the Molecular Devices FilterMax[™] F5 Multi-Mode Microplate Reader

9. Repeat for second emission filter.

👰 Filter Settings				2
Filter Slides	• Emission			
Add Slide Remove Slide Export selected Slide	the second	Filter Pri Wavelen Techniqu Bandwidt Installed Position Order#	operties Igth 535 Je(s) Fluorescence th 25 Yes 2 	
Load Slides Export Slides		Bandwidth Bandwidth c) of the selected filter.	
		OK	Cancel Apply	

10. When finished, click Okay to exit the configuration, and then click Close to exit Instrument Information.

Instrument settings

11. Click on the microplate icon in the Navigation Tree on the left side of the screen. Click on the Settings icon either in the toolbar at the top of the screen or in the plate section header.





Version No.: 28 Sept 12

Page 9 of 20

Setup Guide on the Molecular Devices FilterMax™ F5 Multi-Mode Microplate Reader

12. Select the FRET read mode and End Point read type. Select the appropriate excitation and emission slides, and select the wavelengths as shown below.

🔍 Settings						
Read Modes	ABS		LUM-Dual	FRET	FL FL	FP
Read Type	© End Point					
Category		Properties				
Wavelengths		Wavelength S	ettings			
Plate Type Read Area PMT and Optics Shake More Settings	:	Excit	Slide: 21 🗸	405	nm I	
		Emis	sion Slide: 21 🗸	Lm1 465 Lm2 535	nm	

13. Choose the desired plate type, using the upper dropdown menu to choose plate format (96 or 384 wells) and the "Select Specific" menu to choose the specific plate type.

Category	Properties						
Wavelengths	Plate Type Settings						
Plate Type							
Read Area	Plate Format	384 Wells 🗸					
PMT and Optics	Select Specific	384 Well Standard cirbtm					
Shake		384 Well Standard opaque					
More Settings		384 Well Greiner blk/clr					
		384 Well Greiner clear					
	Edit Plate	384 Well Costar wht/clr					
		384 Well Costar bik/cir					
	Import Plate	384 Well Costar black					
	Demons	384 Well Falcon blk/clr					
	Kemove	384 Well Corning flatbtm					
		384 Well Corning clr/flatbtm					
		384 Well Corning low vol/rndbtm					
		384 Well MDC HE PS					
		384 Well ProxiPlate Plus White					
		µMax 64 Well Low Volume					



Version No.: 28 Sept 12

Page 10 of 20

14. Now choose the area of the plate to read.



15. In the PMT and Optics Settings enter the desired integration time. Shorter integration times enable faster reading, while longer integration times enable better performance.

Category	Properties						
Wavelengths	PMT and Optics Settings						
Plate Type	Integration Time	140					
Read Area	integration time	140					
PMT and Optics							
Shake							
More Settings							



Version No.: 28 Sept 12

Page 11 of 20

Setup Guide on the Molecular Devices FilterMax™ F5 Multi-Mode Microplate Reader

16. In "More Settings", choose the read order corresponding to how the assay plate is set up. If the entire plate is to be read, choose "Row". If entire rows of a partial plate are to be read, choose "Row"; if entire columns of a partial plate are to be read, choose "Column".

Check the box "Show Pre-Read Optimization Options" to enable the Microplate Optimization and Read Height Adjustment options upon initiation of the plate read.

Category	Properties	
Wavelengths	More Settings	
Plate Type	Bestories	
Read Area	Read Order	Column 💌
PMT and Optics		_
Shake	Show Pre-Read Optimiza	ation Options 🔽
More Settings		

Click OK to close the Settings window.

17. To read the plate, click the green "Read" button at the top of the screen.





Version No.: 28 Sept 12

Page 12 of 20

Setup Guide on the Molecular Devices FilterMax™ F5 Multi-Mode Microplate Reader

- 18. If selected, pre-read optimization options will appear.
 - Microplate Optimization scans the four corner wells of the plate and adjusts the microplate dimensions if necessary to improve accuracy. It requires that all four corners of the microplate contain detectable fluorescent material (i.e. positive control samples).
 - Read Height Adjustment determines the height above the plate at which the best signal is detected. It can be performed using any well in the plate with a relatively strong fluorescent signal (i.e. positive control sample).
 - If the plate is lidded, check the box. Make sure that the selected microplate orientation matches the orientation of the actual assay plate.

Click "Run Optimization" to proceed. Alternatively, if no optimization is desired, leave the boxes unchecked and click "Read Plate".

Pre-Read Optimization Option	ns	×
		9
Optimization Options		
Run Microplate Optimization before measurement accuracy, run Microplate lot changes.	ore reading the plate. To improve the oplate Optimization each time the	
Run Read Height Adjustment bef measurement accuracy, run Rea volume changes. Current read he	ore reading the plate. To improve the d Height Adjustment each time the eight: 1.00 mm above the Plate.	
	Run Optimization	
Microplate Options		\equiv
	Plate is Lidded	
	Microplate Orientation	
and the second s	 Landscape 	
	○ Portrait	
	Opposite Landscape	
	Opposite Portrait	
	Read Plate Cancel	



Version No.: 28 Sept 12

Page 13 of 20

Setup Guide on the Molecular Devices FilterMax[™] F5 Multi-Mode Microplate Reader

19. If optimization was selected, a wizard will pop up. Follow the steps outlined in the wizard.

Microplate Optimization Wizard	- 384 Well Corning clr/flatbtm [G-BLAZER-Landscape])
	Insert the Microplate	
Insert the Microplate Optimize Select the Center of the Upper-Lef Select the Center of the Upper-Rig Select the Center of the Lower-Rig Verify Microplate Dimensions	Insert the prepared microplate in the reader and select its orientation. As illustrated below, the samples in the correr wells will be scanned to optimize the microplate. Click Next to continue.	
		2

Well Scan in Progress							
Please wait while the wells are scanned for optimi:	lease wait while the wells are scanned for optimization.						
Scanning wells for optimization							
Remaining Time	00:00:09						
Click Step Optimization to step the scep							
and close the Microplate Optimization Wizard.	Stop Optimization						



Version No.: 28 Sept 12

Page 14 of 20

Setup Guide on the Molecular Devices FilterMax[™] F5 Multi-Mode Microplate Reader

20. Center the pink target over the image of the scanned well. Click "Next" and repeat for the remaining three wells. This adjusts the microplate definition to match the actual plate.





Version No.: 28 Sept 12

Page 15 of 20

Setup Guide on the Molecular Devices FilterMax™ F5 Multi-Mode Microplate Reader

21. Click "Save" to save the modified plate dimensions with the Microplate Name as shown. This optimized microplate type will be available in the Settings for future use.

Verify Microplate Dim	ensions
Verify the dimensions of the microplate. You can edi its center. Type a name for the microplate definition microplate definition.	t the values in the fields or return to a well step to redefine in the Microplate Name field. Click Save to save the
Microplate Dimensions	
Bottom-row y offset (mm)	8.99
Column spacing (mm)	4.5
Left-column × offset (mm)	12.12
Right-column × offset (mm)	12.12
Row spacing (mm)	4.5
Top-row y offset (mm)	8.99
🗆 Microplate Name	
Microplate Name	384 Well Corning clr/flatbtm [G-BLAZER-Landscape]
Bottom-row y offset (mm) The distance in millimeters from the lower edge of t	he microplate to the horizontal center of the bottom row.
	Cancel K Back Save



Version No.: 28 Sept 12

Page 16 of 20

Setup Guide on the Molecular Devices FilterMax™ F5 Multi-Mode Microplate Reader

22. If you chose to perform Read Height Adjustment, this wizard will now appear. Select the well you want to use for read height adjustment. This should be a relatively bright well, e.g. a positive control.

🥦 Read Height Optimization V	Vizard					
	Select Well	Select Well				
Select Well Optimize Optimize	Select the well in the plate layout below that contains your sample at the desired volume. Click Next to continue.					
	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 2 A	3 24				
	x					
	P					
	Cancel	Next >				

Click "Next"

🧖 Read Height Optimization \	/izard		
	Optimization Complete		
Select Well Optimize Optimization Complete	Verify the Optimized Read Height. You can adjust the height, if desired, by editing the field. Click Save to save the read height. Optimized Read Height 11.91 mm Custom Read Height 11.91	value in the Custom i	Read Height
		Cancel	Save



Version No.: 28 Sept 12

Page 17 of 20

Setup Guide on the Molecular Devices FilterMax[™] F5 Multi-Mode Microplate Reader

23. After optimization is complete, click "Read Plate" to proceed.

🏽 Pre-Read Optimization Options 🛛 🔀								
Optimization Options								
Run Microplate Optimization before reading the plate. To improve the measurement accuracy, run Microplate Optimization each time the microplate lot changes.								
Run Read Height Adjustment before reading the plate. To improve the measurement accuracy, run Read Height Adjustment each time the volume changes. Current read height: 11.91 mm above the Plate.								
	Run Optimization							
Microplate Options								
	Plate is Lidded							
	Microplate Orientation							
and the second se	Landscape							
	OPortrait							
	Opposite Landscape							
	Opposite Portrait							
	Read Plate Cancel							



Version No.: 28 Sept 12

Page 18 of 20

Setup Guide on the Molecular Devices FilterMax[™] F5 Multi-Mode Microplate Reader

24. After the plate is read, data will appear in the plate section:

Expt1				Pla	te1						2	ŝ.		Q		•	Σ	Ξ	Ş		10	100	Q		Þ
											Р	late	1												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
А	5e5 1e5	5e5 1e5	5e5 1e5	1e6 2e6	1e6 2e6	1e6 2e6	9e6 2e6	9e6 2e6	9e6 2e6	1e7 3e6	1e7 3e6	9e6 2e6	7e6 3e6	4e6 3e6	4e6 3e6	3e6 4e6	4e6 4e6	7e5 2e5	1e6 2e6	1e6 2e6	5e5 2e5	5e5 2e5	5e5 2e5	5e5 1e5	
В	5e5 1e5	5e5 1e5	5e5 1e5	1e6 2e6	1e6 2e6	1e6 2e6	1e7 2e6	9e6 2e6	9e6 2e6	1e7 3e6	1e7 2e6	9e6 2e6	7e6 3e6	5e6 4e6	4e6 3e6	4e6 4e6	4e6 4e6	7e5 2e5	1e6 2e6	1e6 2e6	2e6 3e5	5e5 2e5	5e5 2e5	5e5 2e5	
с	5e5 1e5	5e5 1e5	5e5 1e5	1e6 2e6	1e6 2e6	1e6 2e6	1e7 3e6	1e7 2e6	1e7 2e6	9e6 3e6	1e7 3e6	1e7 2e6	8e6 3e6	5e6 3e6	4e6 4e6	4e6 4e6	4e6 4e6	8e5 3e5	1e6 2e6	1e6 2e6	6e5 2e5	5e5 2e5	6e5 2e5	5e5 2e5	
D	5e5 1e5	5e5 1e5	5e5 1e5	1e6 2e6	1e6 2e6	1e6 2e6	1e7 2e6	1e7 3e6	1e7 2e6	1e7 3e6	1e7 3e6	1e7 3e6	7e6 3e6	5e6 3e6	4e6 4e6	4e6 4e6	4e6 4e6	7e5 2e5	1e6 2e6	1e6 2e6	5e5 2e5	5e5 2e5	6e5 2e5	5e5 2e5	
E	5e5 1e5	5e5 1e5	5e5 1e5	1e6 2e6	1e6 2e6	1e6 2e6	1e7 2e6	1e7 2e6	1e7 3e6	1e7 3e6	1e7 3e6	1e7 2e6	8e6 3e6	5e6 3e6	4e6 4e6	5e6 4e6	4e6 4e6	7e5 2e5	1e6 2e6	1e6 2e6	6e5 2e5	5e5 2e5	6e5 2e5	5e5 2e5	
F	5e5 1e5	5e5 1e5	5e5 1e5	1e6 2e6	1e6 2e6	1e6 2e6	1e7 3e6	1e7 2e6	1e7 2e6	1e7 2e6	1e7 2e6	1e7 3e6	8e6 3e6	5e6 3e6	4e6 4e6	6e6 4e6	4e6 4e6	7e5 2e5	1e6 2e6	1e6 2e6	5e5 2e5	6e5 2e5	5e5 2e5	3e6 3e5	
G	5e5 1e5	5e5 1e5	5e5 1e5	1e6 2e6	1e6 2e6	1e6 2e6	1e7 3e6	1e7 2e6	1e7 3e6	1e7 2e6	1e7 3e6	1e7 3e6	8e6 3e6	5e6 3e6	4e6 4e6	4e6 4e6	4e6 4e6	7e5 2e5	1e6 2e6	1e6 2e6	5e5 2e5	5e5 2e5	5e5 2e5	5e5 2e5	
н	4e5 1e5	5e5 1e5	8e5 2e5	1e6 2e6	1e6 2e6	1e6 2e6	1e7 2e6	1e7 2e6	1e7 2e6	1e7 3e6	1e7 3e6	1e7 3e6	8e6 3e6	5e6 4e6	4e6 4e6	4e6 4e6	4e6 4e6	7e5 2e5	1e6 2e6	1e6 2e6	5e5 2e5	5e5 2e5	5e5 2e5	6e5 2e5	
Ι	5e5 1e5	5e5 1e5	5e5 1e5	1e6 2e6	1e6 2e6	3e6 2e6	1e7 2e6	1e7 2e6	1e7 2e6	1e7 2e6	1e7 2e6	1e7 3e6	9e6 3e6	6e6 3e6	5e6 4e6	4e6 4e6	4e6 4e6	7e5 2e5	1e6 2e6	1e6 2e6	5e5 2e5	5e5 2e5	5e5 2e5	6e5 2e5	
J	5e5 1e5	5e5 1e5	5e5 1e5	1e6 2e6	1e6 2e6	1e6 2e6	1e7 2e6	1e7 2e6	1e7 3e6	1e7 3e6	1e7 2e6	1e7 3e6	9e6 3e6	6e6 4e6	5e6 4e6	5e6 4e6	4e6 4e6	7e5 2e5	1e6 2e6	1e6 2e6	5e5 2e5	5e5 2e5	5e5 2e5	5e5 2e5	
К	5e5 1e5	5e5 1e5	5e5 1e5	1e6 2e6	1e6 2e6	1e6 2e6	1e7 3e6	1e7 2e6	1e7 3e6	1e7 2e6	1e7 3e6	1e7 3e6	3e6	4e6	5e6 4e6	5e6 4e6	4e6 4e6	7e5 2e5	1e6 2e6	1e6 2e6	5e5 2e5	6e5 2e5	2e5	2e5	
L	1e5	1e5	5e5 1e5	1e6 2e6	1e6 2e6	1e6 2e6	1e7 3e6	1e/ 3e6	1e7 3e6	1e/ 3e6	1e7 3e6	1e/ 3e6	3e6	4e6	5e6 4e6	5e6 4e6	4e6 4e6	7e5 2e5	1e6 2e6	1e6 2e6	2e5	2e5	5e5 2e5	2e5	
М	4e5 1e5 4e5	1e5 4e5	1e5 8e5	2e6	2e6	2e6	2e6	3e6	2e6	3e6	3e6	3e6	3e6	4e6	4e6	4e6	460	4e5	2e6	2e6	2e5	2e5	2e5	2e5	
N	1e5 4e5	1e5 7e5	2e5	2e6	2e6	2e6	3e6 1e7	2e6	3e6	3e6	3e6	3e6	3e6	4e6	4e6	4e6	4e6	2e5	2e6	2e6	2e5	2e5	2e5	2e5	
0	1e5 4e5	1e5 7e5	1e5 5e5	2e6	2e6	2e6	3e6 1e7	3e6	3e6 1e7	3e6	3e6	3e6	3e6 8e6	4e6	4e6	4e6	4e6	2e5	2e6	2e6	2e5	2e5	2e5	2e5	
Р	1e5	1e5	1e5	2e6	2e6	2e6	3e6	2e6	2e6	3e6	2e6	2e6	3e6	3e6	4e6	4e6	4e6	2e5	2e6	2e6	2e5	2e5	2e5	2e5	

25. To set up template for data analysis, click on Template Editor icon in the Template Tools section of the top toolbar, or on the plate section header:

Template	🖺 Copy 🔍 Import					
Editor	📸 Paste 💣 Export					
Template Tools						

Or





Version No.: 28 Sept 12

Page 19 of 20

Setup Guide on the Molecular Devices FilterMax[™] F5 Multi-Mode Microplate Reader

26. Select wells and choose the template group you want to assign them to; click Assign. Repeat for each sample type.

	🗐 Template Editor 🛛 🕅																										
Sel	ect v	vells	s, the	en ac	ld or	sele	ct a j	grou	p (or	blar	ik) ar	nd as	sign.														?
_																										Groups	
C	Со	ру		Pas	te 🔻			Cle	ear							Vie	w	۲	Sam	ole N	ame	0	Des	cripte	or	Add Edit Delete	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
	Αſ							01	02	03	04.5	tim	ulate	d 07	08	09	10	U1.	Ba							Custom	
	в							01	02	03	04	05	06	07	80	09	10	01	01							Unstimulated	
	сL							01	02	03	04	05	06	07	08	09	10	01	01							Stimulated	
	D	_						01	02	03	04	05	06	07	08	09	10	01	01							Background	
	E	_			-		-	01	02	03	04	05	06	07	08	09	10	01	01								
	F	_						01	02	03	04	05	06	07	08	09	10	01	01								
1	G -	_						01	02	03	04	05	06	07	08	09	10	01	01								
	" -	_				_		01	02	03	04	05	06	07	80	09	10	01	01								
	:	_				_	<u> </u>	01	02	03	04	05	06	07	08	09	10	01	01			-	-	<u> </u>			
	;	-	_			-	-	01	02	03	04	05	06	07	08	09	10	01	01		_	-	-	-			
	î -	-	_		-	-	-	01	02	03	04	05	06	07	08	09	10	01	01		_		-	-			
	ù H	-					-	01	02	03	04	05	06	07	08	09	10	01	01				-	-			
	N	-	-		-	-	-	01	02	03	04	05	06	07	08	09	10	01	01								
	. F	-				-		01	02	03	04	05	06	07	08	09	10	01	01								
	ΡĹ							01	02	03	04	05	06	07	80	09	10	01	01								
As	Assignment Options																										
⊂ BI	anks	-						Stin	nulat	ed																	
								S 24	mola	01																	
	Diate Diate																										
Concentration 100000 nM																											
	Group Blank																										
								Assign Series																			

27. When wells are assigned to template groups, data will populate group tables where analysis can be done:

Exp	ot1	Stimu		۲	foo	મજી			
					ŝ	Stimula	ted		
	Sample	Concentration nM	AvgRatio	SDratio					
	01	100000.000	5.77	0.145					
	02	25000.000	6.05	0.358					
	03	6250.000	6.05	0.304					
	04	1562.500	5.85	0.558					
	05	390.625	6.10	0.482					
	06	97.656	6.24	0.736					
	07	24.414	3.79	0.263					
	08	6.104	1.93	0.162					
	09	1.526	1.51	0.158					
	10	0.381	1.34	0.152					



Version No.: 28 Sept 12

Page 20 of 20

Setup Guide on the Molecular Devices FilterMax[™] F5 Multi-Mode Microplate Reader

C. Results



Figure 1: GeneBLAzer® Assay. GeneBLAzer® assay performed using the Molecular Devices FilterMax[™] F5 microplate reader and GeneBLAzer® MC3R CRE-bla CHO-K1 cell line stimulated with NDP-α-MSH. Z' = 0.80.