

# Myra Liquid Handler and Mic qPCR Thermal Cycler

## User Guide v2

This user guide provides general instructions for using Medicinal Genomics qPCR and RT-qPCR Detection Assays with the Bio Molecular Systems Myra Liquid Handler and Mic qPCR Instrument. For more information see the Biomolecular Systems Workbench User Manual, accessible under "quick links" in the BMS workbench software.



## **Table of Contents**

Overview	3
Biological Safety	3
Decontamination of Instrument	3
Equipment	4
Consumables	5
Software Installation	5
Updating Software	6
Upgrading Firmware	6
Using the Myra	6
Myra Setup for Positive Control Dilution	8
Myra Setup for Detection Assays	9
Using the Mic qPCR Thermal Cycler	14
Data Analysis	15



## <u>Overview</u>

Medicinal Genomics has partnered with Bio Molecular Systems (BMS) to simplify, accelerate, and consolidate qPCR and RT-qPCR testing. The Myra Liquid Handling platform together with the Mic qPCR Instrument allows users to automate several processes in our workflow including creating the master mix, positive control dilutions, and qPCR setup.



## **Biological Safety**

Handle biological material with care and in accordance with the required safety regulations. Always wear safety glasses, gloves, and a lab coat. The user must take the necessary precautions to ensure that the surrounding workplace is safe and that the instrument operators are suitably trained and not exposed to hazardous levels of infections agents.

## **Decontamination of Instrument**

Surfaces of the Myra instrument, including the deck and pipette head, can be decontaminated using a solution of sodium hypochlorite (NaOCl). A solution containing 1 g/L available chlorine will be suitable for sanitation in a general lab environment; stronger solutions (5 g/L) are recommended when dealing



with high risk situations. A UV light is also available for decontamination (see Using the UV Light in the BMS Workbench User Manual).

## <u>Equipment</u>

- Bio-Molecular Systems Mic 4-Channel Real-Time PCR Instrument
- Base Package Includes:
  - 3 Year manufacturer warranty (includes replacement or loan unit during repair)
  - Tubes and Caps (1 Box / 960 Tubes)
  - Tubes and Caps Racked (1 Box / 960 Tubes)
  - Capping Tool
  - Tube Clamp
  - Bluetooth Antenna
  - Power Supply
  - Rapid Capping Tool
- Bio-Molecular Systems Myra Liquid Handling System
- Base Package includes:
  - 2 year manufacturer warranty (includes replacement or loan unit during repair)
  - 50 uL Robot Tips (1 Box)
  - Multipurpose Loading Block
  - Pipette Head 50 uL
  - Power Supply
  - USB Cable
  - Waste Tub w/ Lid
  - Myra Loading Block for Mic Racks (required for integration with Mic)
  - HEPA Filter

Note: Windows PC required but not provided by Bio Molecular Systems or Medicinal Genomics



## **Consumables**

MGC SKU	Description	Vendor Name
420243	Mic Tubes & Caps (1 Box / 960 tubes)	MIC-TUBES
420244	Mic Tubes & Racked Caps (1 Box / 960 tubes)	MIC-TUBES+RACKED CAPS
420254	Myra 50 ul Robot Tips (1 Box / 10 racks of 384)	MYRA-TIPS 384-50

#### **Software Installation**

Install the Myra Software, located on the provided USB Flash drive, onto a PC. Ensure that the PC meets the following minimum requirements:

- Windows® 10, 64-bit (English version) Operating System
- .NET Framework 4.5 of higher
- Intel i5 processor, 2.4 GHz
- 8 GB of RAM
- 1 GB free hard drive capacity
- Pointer device
- USB Drive
- Adobe® Reader® must be installed to be able to view reports in PDF format.

The BMS Workbench Software latest version can be found on the BMS website:

https://biomolecularsystems.com/media-downloads/myra-downloads/

Follow the instructions that appear in the Setup Wizard. If the computer is connected to a network, network policy settings may prevent you from completing this procedure. For more information, contact your system administrator. When the software has been successfully installed, the *Workbench* software icon will appear on the PC desktop.





## **Updating Software**

Software and firmware updates are available for download at:

https://biomolecularsystems.com/media-downloads/myra-downloads/.

Please check the website periodically to see if new software and firmware updates are available. Registered users will be notified via email upon release of a new software version.

## **Upgrading Firmware**

Some new releases of software will require a firmware update. The software will notify the user of the requirement to upgrade firmware upon selection of an instrument following the software update.

Select the *Upgrade Firmware* option in the drop-down list after selecting the *Instrument icon*. The instrument will begin to flash the front LED indicator to notify the user the firmware is being updated.

## Using the Myra



Figure 1: Labeled deck positions of the Myra.



To operate the Myra, open the Workbench software and select the appropriate run template. For a list of available templates reach out to and MGC Applications Scientist or email MGC Support <u>support@medicinalgenomics.com</u>



#### Myra Setup for Positive Control Dilution

Note: This dilution can be prepared manually if desired

- 1. Select the "Positive Control Dilution" Template to run on the Myra.
- 2. Remove the positive control tube you wish to dilute from the freezer and allow it to thaw, then vortex and spin down the tube..
- 3. Place the positive control tube, nuclease free water, and empty labeled 1.5 mL tube onto the deck following the deck layout screen.

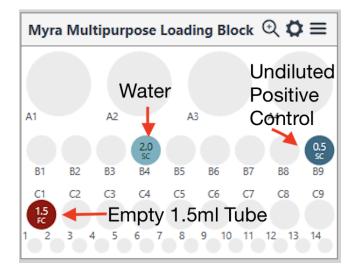


Figure 2: Deck Layout Screen for Positive Control Dilution

4. Connect to the Myra by using the icon in the upper right corner.



Figure 3: Connect to Myra Icon

5. Run the program using the play button.



At the end of the program, the labeled 1.5 ml tube will contain your diluted positive control.
 Store diluted positive control at -20°C for up to 1 week or use immediately.



#### Myra Setup for Detection Assays

- 1. Remove the required reagents from the freezer to thaw.
- 2. Open the Myra or Workbench software program by clicking the desktop shortcut.



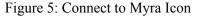
3. Select the installed template that corresponds to the desired assay.

New Document							
RECENT REAL PLAN Assay v2 Plate PCR Bun Eric (1) micro 2022-11-10 12 42:56 Pair Pythen Assay PCR Bun Eric (1) micro 2022-11-10 12:47:56 Pair Pythen Assay PCR Bun Eric Pyth Letif 2022-11:06 51:52:69 Pair/BENDECKOF CPR Into 11:16 (1) micro 2022-10:65 10:26:09 FemINDECKOF CPR Into - NLL-micros 2022-07-18 14:58:32 FemINDECKOF CPR Into - NLL-micros	qPCR	QPCR Assay	Sample Prep and qPCR Setup	Reaction Driven qPCR Setup	qPCR Run	gPCR Project	
	General	Simple Transfer	MyraScript Run				
TIMPLATIS D D D							
2023-07-18 14.58.32 femNO/CAtor PCR run, M8 BMS Myra Demo Ki mic Demo Kit							

Figure 4: Template selection screen

4. Connect to the Myra by using the icon in the upper right corner.





5. The number of reactions will default to 48 for each instrument run (46 samples and 2 controls). If the number of reactions being set up are less than 46, click on the "Reactions" tab and highlight the reactions you wish to remove. Right-click within the highlighted area, then select "Delete These Reactions". If desired, name samples by clicking into the sample name column associated



with the sample number. Sample names can also be imported in bulk from a csv file. Sample numbers or names are not relevant to the Positive Control Dilution template.

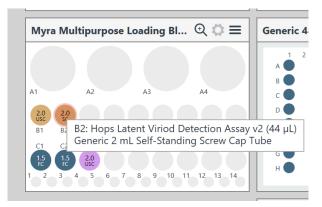
4 🛋 💾 🛃	-		11.21.54 HLVd Assay 10ul rxn PCR I	hun X						-1- R0000598 idle	use mic M0005069	1
Assays +	Gronubon	2023 00 00 1			eactions			ch 🗎	B	Ava	ilable Assays	-
HLVd Complete Assay	qPCR Cycle	Bio Mole	cular Systems   Mic	<ul> <li>Reaction Plate Single N</li> </ul>	dic Adapter (1 Run)	~			8	HLVd Complete J	Assay	
Run Setup	Search		Fill uni	used with water			+ >	K [兹]兹]				
Reactions							Standards Cono					
Deck Layout	Co	I Name		Туре	Assay	Groups	Copies/µL	¥				
Information	1	Test 1		Unknown	HLVd Complete Assay	New			^			
	2	Sample 2	2	Unknown	HLVd Complete Assay	New						
Execution	3	Sample 3	5	Unknown	HLVd Complete Assay	New						
	4	Sample 4	1	Unknown	HLVd Complete Assay	New						
Reports	5	Sample 5	5	Unknown	HLVd Complete Assay	New						
Pre-Run Report	6	Samp <sup>*</sup>	Insert Blank Reaction	Unknown	HLVd Complete Assay	New						
Pre-Null Report	7	Samp		Unknown	HLVd Complete Assay	New						
Mic Runs 🛛 🗎 🚿	8	Samp	Delete This Reaction	Unknown	HLVd Complete Assay	New						
	9	Positive 0	Control	Positive Control	HLVd Complete Assay	New						
Run 1	10	NTC		NTC	HLVd Complete Assay	New						_
	11	Water		Unknown		New					Groups	
	12	Water		Unknown		New						
	13			Unknown		New						
	14			Unknown		New						
	15			Unknown		New						
	16			Unknown		New						
	17			Unknown		New						
	18			Unknown		New						
	19			Unknown		New						
	20			Unknown		New						
	21			Unknown		New						
	22			Unknown		New						
				Unknown		New						
	24			Unknown		New						
	25			Unknown		New						
ected run time: 0:05	26			Unknown		New						

Figure 6: Reactions Tab

- 6. If stored at 4°C, remove the Myra Multipurpose Loading Block and transfer to the correct Myra deck location according to the Deck Layout screen. If the loading block is stored at 4°C until right before setting up a run, it will keep reagents cool while on the deck.
- 7. Hover over the tube positions to determine the location of each reagent tube in the multipurpose loading block. Samples will be placed just to the right of the loading block according to the deck layout. Quick lysis strip tubes will be placed every other column into the tube adapter. Samples lysed with Pure Prep will be in a 96 well PCR plate placed on a 96 well ring magnet. DNA elutions from SenSATIVAx prepped samples will be contained within a 96 well PCR plate placed on a 96 well PCR plate placed onto the deck in a 96 well PCR plate.
- 8. Hovering over the reagent tubes will also indicate volumes of each reagent needed, based on the number of samples entered into the 'Samples' tab.

Note: Most master mixes will need additional volume over the volume indicated to account for viscosity of these reagents.





Once the deck setup is complete, click on the Play icon to start the instrument. A "Save As" screen will allow users to save their run with a unique name.

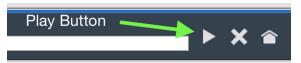


Figure 8: Play icon

				×		E	R0000598
← → × ↑ 🖡 «	Bio Molecular Systems > Myra > PCR RUNS	v O ,	Search PCR RUNS				
Organize • New fo	lder		10	- 0			
	Name	Date modified	Туре	Size ^			
3D Objects	50 2023-05-08 13:26:45 FemINDICAtor PCR r	5/8/2023 1:37 PM	myra Run File	1,5	Well Tips Q 🗘 🚍	Myra 384 Well Tips 🔍 🗘 🗄	= 49
Desktop	5 2023-05-11 10.25.09 FemINDICAtor PCR r	5/11/2023 10:33 AM	myra Run File	1,5	5 6 7 8 9 10 12 13 14 15 16 17 18 19 20 22 22 24	1234567899919394597999222224	_
Documents	Eo 2023-05-17 09.49.39 Salmonella & STEC	5/17/2023 12:11 PM	myra Run File	1,4			The run Mic rac
Downloads	Eo 2023-05-17 09.49.39 Salmonella & STEC	5/17/2023 10:50 AM	myra Run File	1,4			Refit R
Music	50 2023-05-17 12:57:07 Salmonella & STEC	5/17/2023 1:05 PM	myra Run File	1,4			Double 19
	Di 2023-05-19 09.42.05 Salmonella & STEC	5/19/2023 9:49 AM	myra Run File	1,4			
Pictures	5 2023-05-19 11.06.40 Salmonella & STEC	5/19/2023 11:13 AM	myra Run File	1,4			
Videos	To 2023-05-19 12.32.19 Salmonella & STEC		myra Run File	1,4			
🐛 Local Disk (C:)	50 2023-05-19 13.10.09 Salmonelia & STEC	5/19/2023 1:16 PM	myra Run File	1,4 🗸	000000000000000000000000000000000000000		
Network	v < [			>		1	_
File name: 20	23-08-08 11.21.54 HLVd Assay 10ul nm PCR Run			~	Itipurpose Loading Block $@$ $\clubsuit \equiv$	Generic 48x 0.2 mL Tubes or Stri 🔍 🗘 🗄	=
Save as type: My	rra Run File			~		1 2 3 4 5 6 7 8 9 10 11 12	
			faur		A2 A3 A4		
Hide Folders			Save	Cancel	A2 A3 A4		
Hide Folders Run 1	> 0.2 mL Strips		Save	Cancel			
	0.2 mL Strips     BMS Leading Blocks	[	Save	81 82 C1 C2			
		[	Save				
	BMS Loading Blocks	[	Save				
	BMS Loading Blocks     Adapters		Save		120         121         155         166         17         168         199           13         04         05         06         07         04         05         06         11         12         13         04           13         5         6         7         6         9         00         11         12         13         04		
	BMS Loading Blocks     Adapters     Other	[	Save			♦ Myra 2x Mic Racks Adapter Q 🗘	=
	BMS Loading Blocks     Adapters     Other	C	Save		120         121         155         166         17         68         199           13         04         05         06         07         04         05         06         11         12         13         04           13         5         6         7         6         9         00         11         12         13         04		<b>E</b>
∧ Hide Folders Run 1	BMS Loading Blocks     Adapters     Other	E	Save		3         4         5         6         7         8         9         11         12         13         4           3         4         5         6         6         7         8         9         11         12         13         4           4         5         6         7         8         9         11         12         13         4           tandard Waste Tub (Waste Soc         Ξ         Ξ         1         10         11         10         11		

Figure 9: "Save As" screen

10. A pre-run checklist will appear. Check off the boxes as the steps are completed and click "Start" to initiate the run.



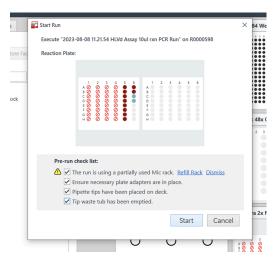


Figure 10: Pre-run checklist

- 11. Allow the instrument to run to completion.
- 12. Once the run has finished, your Mic tubes or 96 well qPCR plate will contain the Master mix and samples.

NOTE: If using the MIC thermal cycler continue on to step 15. If using a standard thermal cycler, continue to instrument loading and setup following the user guide for the assay being utilized.

13. Firmly cap the tubes using the manual capper or the Rapid Cap device.

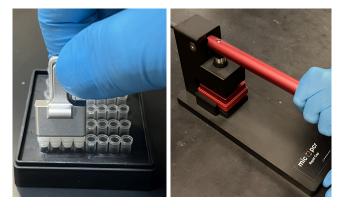


Figure 11: Capping with manual capper (left) and Rapid Cap device (right)

14. Load the Mic qPCR thermal cycler with the capped reaction tubes. Each tube is part of a strip of four, with the first tube having a small tab to ensure the strip is loaded into the instrument correctly. Start at position 1 and ensure that the small white tab on the tube caps is aiming inward



towards the rotor center. If running fewer than 46 samples (48 total reactions) ensure that *water balance Mic tubes* are loaded into all unused sample locations.

Note: Do not use old reaction tubes in the unused sample location. Not all assay reaction volumes are identical. Ensure that the proper volume of water is used in the blank tubes for each assay. Refer to the assay's corresponding Quick Guide for proper volumes.

15. Replace the magnetic clamp and close the Mic lid when all tubes are loaded.



Figure 12: Loading the Mic

- 16. Cap the reagent tubes and sample tubes on the Myra. If another Myra run will not be performed right away, place the reagents and samples in the freezer for storage or on ice for use within the same day.
- 17. Click the running man figure to export the data to the Mic software.

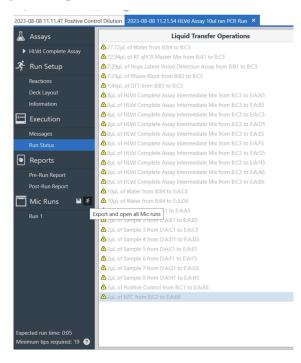


Figure 13: Exporting data to the Mic



## Using the Mic qPCR Thermal Cycler

1. After exporting the Myra run to the Mic, a new tab will appear with your Mic run.

BMS Workbench v1.0.0				- 0
🖡 🛋 💾	$\mathscr{V}$	· 🕜	R0000598	USB mic M0005069
2023-08-08 11.11.47 Positi	e Control Di	ilution 2023-08-08 11.21.54 HLVd Assay 10ul rxn PCR Run 2023-08-08 11.21.54 HLVd Assay 10ul rxn PCR Run ×		
👃 Assays	+			
	y			
🍂 Run Setup				
Data				
🗶 Analysis				
	+			
Absolute Quantificat Allelic Discrimination				
Identifier				
Relative Quantification	· +			
Reports	+			

Figure 14: Selecting the Mic run tab

2. Click on the Mic icon in the upper right-hand corner, and select "Start run" from the menu that appears.

		- 0	$\times$
	R0000598	use mic M0005069	((t·
emINDICAtor PCR run ×		Start Run	-
		Hide Instrument	
		Properties	

Figure 15: Starting Mic run



3. A pop-up will appear asking for the reaction volume, which will be auto-filled with the correct volume. Close the lid and the instrument will start.

Note: If the cover isn't closed	, the program will not start.
---------------------------------	-------------------------------

2023-08-08 115027 FemINDICAtor PCR nm *2023-08-08 115027 FemINDICAtor PCR nm ×
Start Run Start Run Start Creck tube clamp is in place before starting run Start Cancel Start

Figure 16: Pre-run pop-up screen

4. Let the Mic run to completion before analyzing the data.

#### <u>Data Analysis</u>

PMC Worldwords vd 0.0

1. When the run has completed, click on the "+" sign next to the "Cycling" tab and select "Internal Cannabis Control". The selection will appear under the "Cycling" tab. Next, select the assay that was run (i.e., FemINDICAtor, *Fusarium*, HLVd, Aspergillus, etc.).



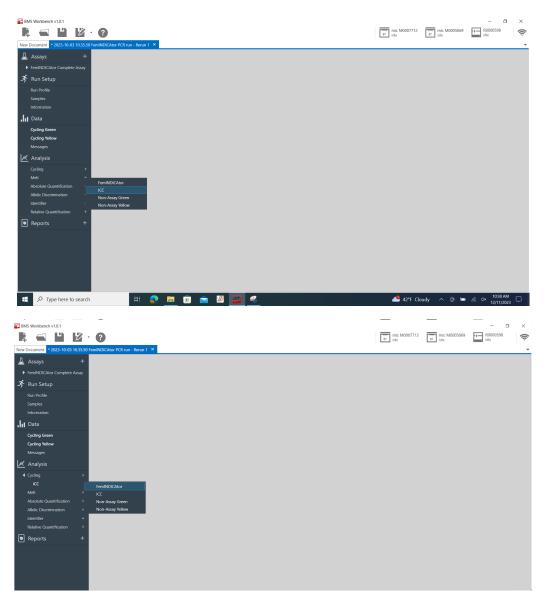


Figure 17: Select Cycling Analysis



2. When these have been expanded, select the "+" sign next to the "Identifier" tab and select the available report.

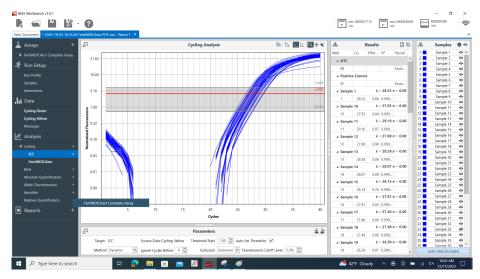


Figure 18: Select the Identifier Report

3. If the automatic calls are blank, then one of the cycles is out of threshold. To fix this, find "Ignore Cycles Before" in the "Parameters" section, and increase the value one whole number at a time until a gray bar appears on the graph as seen in Figure 18. Repeat for all targets as necessary.

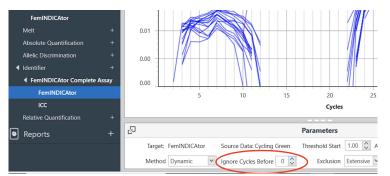


Figure 19: Adjust the Cycle Thresholds

4. To review an automatic report, click the "+" sign next to the "Identifier" tab then select the relevant "Complete Assay". This feature will call the samples tested as detect, non-detect, or inconclusive based on the qPCR data. These results will be displayed on the right side of the screen.



w Document * 2023-10-03 10.35.50 Fem	NDICAtor	PCR run - Rerun 1 🐣												_
Assays +			Id	entifier		<b>1</b> 2	<b>₽</b>			Results		2	Samples	0
FemINDICAtor Complete Assay	5						1	Result				1	Sample 1	6
							14	Well	Sample	Decision		2	Sample 2 Sample 3	-
🕈 Run Setup	. 4	)				<i>K</i>		1	Sample 1	Male	^	4	Sample 3	
Run Profile	Normalised Fluorescence					11		2	Sample 2	Female		5	Sample 5	
Samples	8,					111		3	Sample 3	Female		6	Sample 6	
	9					150.00		4	Sample 4	Female		7	Sample 7	
	2					FO CAL		5	Sample 5	Male	_	8	Sample 8	
Data		)				22200		6	Sample 6	Female		9	Sample 9	
Data	Ę				<u>//</u>	111-		7	Sample 7	Male		10	Sample 10 Sample 11	
Cycling Green	ž 10	,	/	4				8	Sample 8	Female		11	Sample 11 Sample 12	-
Cycling Yellow					1000			9	Sample 9	Female		13	Sample 13	
Messages								10	Sample 10	Female		14	Sample 14	
Messages		5	10 15	20	25 30	35	40	11	Sample 11	Male		15	Sample 15	
a Analysis		,	10 15		25 50	33	40	12	Sample 12	Female		16	Sample 16	
				Cycles				13	Sample 13	Male		17	Sample 17	
								14	Sample 14	Male		18	Sample 18	
			Par	ameters			- 요요	15	Sample 15	Male		19	Sample 19 Sample 20	
FemINDICAtor								16	Sample 16	Female		20	Sample 20 Sample 21	
Melt +	Resu	It					+	17	Sample 17	Female		22	Sample 21 Sample 22	
	Rule	Set Name: Result					^	18	Sample 18	Female	_	23	Sample 23	
Absolute Quantification +	1.00							19	Sample 19	Female	_	24	Sample 24	
	÷	Decision: Male			Colour: Red		v	20	Sample 20	Female		25	Sample 25	
<ul> <li>Identifier +</li> </ul>	×	When matching:  Al	I of the following conditions	Any of the follo	wing conditions			21	Sample 21	Male		26	Sample 26	
FemINDICAtor Complete As ×						-		22	Sample 22	Female		27	Sample 27	
		Target	Sample Type	Quantity	Comparison	Range	_	23	Sample 23	Female		28	Sample 28	
FemINDICAtor		FemINDICAtor	Unknown	Cq	*	35.00	×	24	Sample 24	Male		29	Sample 29 Sample 30	
		ICC	Unknown	Cq	<	35.00	×	25	Sample 25 Sample 26	Female		30	Sample 30 Sample 31	-
Relative Quantification +		+					×	20	Sample 20 Sample 27	Male		32	Sample 32	
	÷				1 (=			2/ 28	Sample 27 Sample 28	Female		33	Sample 33	
Reports +	Ψ	Decision: Female			Colour: Green		~	29	Sample 20 Sample 29	Female		34 🗖	Sample 34	
		When matching:      Al	I of the following conditions	Any of the follo	wing conditions			30	Sample 29 Sample 30	Female		35 📕	Sample 35	
		Target	Sample Type	Quantity	Comparison	Range	~	31	Sample 31	Male		36	Sample 36	

Figure 20: View the Automatic Report

5. Data may be exported by selecting the "Report" tab, then clicking the Export icon.

BMS Workbench v1.0.1							- a	×		
	2					#T mic M0007712 #T mic M000500	9 I R0000598	ŵ		
New Document + 2023-10-03 10.35.50 Fem	INDICAtor PCR run - Rerun 1 ×							*		
🛓 Assays 🛛 🕂	+ Configuration O Preview									
FemiNDICAtor Complete Assay	Run Properties	S & 0 & 0	# ⊖ ⊖ □   < > > > ⊘ = ⊂ + = : ⊗ = E ⊗ : ⊡ + = = : ₪							
🍂 Run Setup	Samples Run Profile									
Run Profile	Cycling: ICC		E Report							
Samples	Cycling: FemINDICAtor									
Information	✓ Identifier: FemINDICAtor Complete Assay		Run Pro	perties						
. Data	✓ Identifier: FemiNDICAtor Complete Assay		Name			NDICAtor PCR run - Rerun 1	7			
Cycling Green	✓ Identifier: FemINDICAtor Complete Assay		File	C:/Users/Lab Rerun 1.micn		nts/BMS Run Files/2023-10-03 10.35.50 FemINDICAtor PCR run -				
Cycling Yellow			Signature	Valid			1			
Messages			Status	Completed						
Analysis			Operator	LabUser			-			
▲ Cycling +		1	Started	10/3/2023 11						
ICC		1	Completed	10/3/2023 12	42.52 PM		-			
FemINDICAtor			Event Log							
Melt +			Time	Priority	User	Message	3			
Absolute Quantification +			10/3/2023 11:46:09 AM	Information	LabUser	Run started via Bluetooth on "mic M0007712" S/N M0007712 F/W v2.28 S/W v1.0.0				
Allelic Discrimination + d Identifier +			10/3/2023 11:53:38 AM	Information		Autogain completed for Green using Sample: 21, Detector gain: 4x, LED power: 412, Scale: 0.99				
FemINDICAtor Complete Assay			10/3/2023 11:53:39 AM	Information	LabUser	Autogain completed for Yellow using Sample: 21, Detector gain: 1x, LED power: 450, Scale: 1.01				
FemINDICAtor			10/3/2023 12:42:52 PM	Information	LabUser	Run complete				
ICC			10/4/2023 9:47:13.AM	Information	LabUser	Cycling "FemINDICAtor" added Method changed from "LinRegPCR" to "Dynamic"				
Relative Quantification +			10/4/2023	Information	LabUser	Cyoling "SCCG" added	-			
Reports +			9:47:13 AM	Information	LabUser	Method changed from "LinRegPCR" to "Dynamic" IdentifierAnalysis "FerniNDICAtor Complete Assay" added	-			
Report ×			9:47:13 AM			"Result" added to Rule sets Cycling "FemINDICAtor Probe 1" added Method, changed from "LinBer/PCP" to Toursanie"				
	< >	Page: 1 / 22					100%	*		
Type here to search	🖽 📀 🧮 (	i 🚖 💹	🗐 🦂 🧭			🐣 42'F Cloudy 🔨 🚊	₩ @ ⊄× 10×46 A/ 12/11/20	23 🖵		

Figure 21: Export Data



## **REVISION HISTORY**

Version	Date	Description			
<b>v</b> 1	December 2023	Platform Launch			
v2	May 2025	<ul> <li>Addition of Necessary Consumables Section, Biological Safety Section, and Decontamination Instructions</li> <li>Added reference to BMS User Manuals</li> </ul>			

#### DISCLAIMER

For more information on BMS Workbench, see the Biomolecular Systems Workbench User Manual accessible under "quick links" in the BMS workbench software.

Methods designed by Medicinal Genomics for this platform were developed, and their performance characteristics determined by Medicinal Genomics Company, for laboratory use. Any deviations from this protocol are not supported by MGC. The results may vary based on laboratory conditions.

## LIMITED USE LABEL LICENSE

This product is sold strictly for the use of the buyer, and the buyer is not authorized to transfer this product [or any materials made using this product] to any third party.

© 2025 Medicinal Genomics Corporation. All rights reserved.

\* All Trademarks are property of their respective owners.