Convert Thermo fisher RAW file

.RAW -> .imdx

Start IMDX converter, select RAW file

🖾 File Conversion List Help	IMDX Conve	erter		_ Ø >
Input KBD/imzML/analyze/RAW		Outp	ut IMDX	
Target Data		Output Data Folder : File Name :		
Select a .RAW file Reference Image Eider: Eie Name:		Conversion Parameter m/z Range All Areas (Auto Calculation During Conversion) m/z n/z 0 0 0 0 0 0 0 0 0 0 0 0 0	Mass Compensation Intensity Correction Intensity Correction TOF Sample Information Polarity : Unknown Matrix : Image: Sample Information Comments : Image: Sample Information	
			Add to Cor	version List

The number of data points will be displayed.

File Conversion List Help
Input KBD/imzML/analyze/RAW
Target Data
Folder: C:¥temp¥test¥ThermoFisherRAW
File Name : 📄 small.RAW
Number of Vata Points: 48
Number of Pixels: 0 (x 0 , y 0)
Out of range. (1-48)
Number of Omit Data Points: 0 (Head 0 , Tail 0)
This value must be total number of data points - total number of pixels.
Pitch: (x 10.0 , y 10.0) [um]
Scan Setting: Scan Pattern 🛛 Fly Back 🗸 🗸
Scan Direction (Left to Right), Scan Sequence (Top to Bottom)
Measurement Range: m/z 140 - 2000
m/z: Processed
O Profile
Centroid

Enter the horizontal (x) and vertical (y) numbers of the MS image.

File Conversion List Help
Input KBD/imzML/analyze/RAW
Target Data
Folder: C:¥temp¥test¥ThermoFisherRAW File Name: small.RAW Number of Data Points: 48
Number of Pixels: 48 (x 6 , y 8)
Number of Omit Data Points: 0 (Head 0, Tail 0)
Pitch: (x 10.0 , y 10.0) [um]
Scan Setting: Scan Pattern Fly Back Scan Direction (Left to Right), Scan Sequence (Top to Bottom)
Measurement Range: m/z 140 - 2000
m/z: Processed
Profile Centroid

If there are extra measurement points at the beginning or end of the data, enter "Number of Omit Data points".

	File Conversion List Help	
		Input KBD/imzML/analyze/RAW
Γ	Target Data	
	Folder File Name Number of Data Points	r: C:¥temp¥test¥ThermoFisherRAW :: 📄 small.RAW :: 48
	Number of Pixels	:: 36 (x 6 , y 6)
	Number of Omit Data Poi	nts: 0 (Head 0, Tail 0) This value must be total number of data points - total number of pixels. 1: (x 10.0, y 10.0) [um]
	Scan Setting	Scan Direction (Left to Right), Scan Sequence (Top to Bottom)
	Measurement Range m/z	:: m/z 140 - 2000 :: Processed
		Profile Centroid

"Number of Data Points" must be equal to the sum of "Number of Pixels" and "Number of Omit Data Points".

riie	Conversion List Help
	Input KBD/imzML/analyze/RAW
Tar	rget Data
	Folder: C:¥temp¥test¥ThermoFisherRAW
	File Name : 📔 small.RAW
	Number of Data Points: 48
	Number of Pixels: 36 (x 6 , y 6)
I	Number of Omit Data Points: 12 (Head 2 , Tail 10)
	Pitch: (x 10.0 , y 10.0) [um]
	Scan Setting: Scan Pattern Fly Back 🗸
	Scan Direction (Left to Right), Scan Sequence (Top to Bottom)
	Measurement Range: m/z 140 - 2000
	m/z: Processed
	O Profile
	Centroid

Enter the pitch of the measurement point.

2	File Conversion List Help
	Input KBD/imzML/analyze/RAW
	Target Data
	Folder: C:¥temp¥test¥ThermoFisherRAW
	File Name: 🧧 small.RAW
	Number of Data Points: 48
	Number of Pixels: 36 (x 6 , y 6)
	Number of Omit Data Points: 12 (Head 2 , Tail 10)
	Pitch: (x 10.0 , y 10.0) [um]
	Scan Setting: Scan Pattern 🛛 Fly Back 🗸 🗸
	Scan Direction (Left to Right), Scan Sequence (Top to Bottom)
	Measurement Range: m/z 140 - 2000
	m/z: Processed
	Profile

Enter the information for "Scan Setting"

Input KBD/imzML/analyze/RAW						
arget Data						
Folder: C:¥temp¥test¥ThermoFisherRAW						
File Name : 🧧 small.RAW						
Number of Data Points: 48						
Number of Pixels: 36 (x 6 , y 6)						
Number of Omit Data Points: 12 (Head 2 , Tail 10)						
Pitch: (x 10.0 , y 10.0) [um]						
Scan Setting : Scan Pattern Fly Back	Scan Setting					
Scan Direction (Left to Right), Scan Sequence (Top to Bottom)		1 6 7 1 1	🗸 , Sc	can Sequence	Top to Bottom	\sim
Scan Direction (Left to Right), Scan Sequence (Top to Bottom)	Scan Direction	Left to Right			1 7	
Scan Direction (Left to Right), Scan Sequence (Top to Bottom)	Scan Direction	Left to Right Left to Right Right to Left			Left to Right Right to Left	
Scan Direction (Left to Right), Scan Sequence (Top to Bottom) Measurement Range: m/z 140 - 2000 m/z: Processed	Scan Direction	Left to Right Left to Right Right to Left Top to Bottom			Left to Right Right to Left Top to Bottom	

Scan pattern: flyback and zigzag



Scan direction is constant



$Scan \ direction \ = \ direction \ of the 1^{st} \ scan$

Scan pattern : Flyback Scan direction: Left to right



Scan pattern : ZigZag Scan direction: Left to right



Scan pattern : Flyback Scan direction: Right to left







$Scan \ sequence \ = \ the \ direction \ of \ the \ 2^{nd} \ and \ subsequent \ scans \ relative \ to \ the \ 1^{st} \ scan$

Scan pattern : Flyback Scan direction : Left to right Scan sequence : Top to bottom



Scan pattern : Flyback Scan direction : Bottom to top Scan sequence : Right to left



Scan pattern : Zigzag Scan direction : Left to right Scan sequence : Bottom to top



Scan pattern : Zigzag Scan direction : Bottom to top Scan sequence : Left to right



"Scan direction" and "Scan sequence"

- Scan direction
 - The direction of the 1st scan
- Scan sequence
 - The direction of the 2nd and subsequent scans relative to the 1st scan
- ⇒ It is impossible to set the same type of orientation, such as "Left to Right" in Scan direction and "Right to Left" in Scan sequence.



Sampling Interval

Outpu	ut imdx				
Output Data					
Folder : C:¥temp¥test¥ThermoFisherRAW File Name : small					
Conversion Parameter					
m/z Range	Mass Compensation				
All Areas (Auto Calculation During Conversion) m/z 140 - 2000	Peak Setting				
Noise Cut	Intensity Correction TOF				
O None Cut Below Specified Percentage	Sample Information				
Sampling Interval Auto D U Enter the upper limit In this example, "1.21	of "ppm".				
Manual 10 ppm 🔅	Comments :				

After completing the settings, press "Add to Conversion List" and "Run Convert.

Target Data		RAW		Output IMDX
Folder: C.¥temp¥test¥ThermoFisherRAV File Name: small.RAW Number of Data Points: 48 Number of Pixels: 36 (x 6 , y Number of Omit Data Points: 12 (Head Pitch: (x 10.0 , y 10.0 Scan Setting: Scan Pattern Fly Back Scan Direction (Left to Rig) Measurement Range: m/z 140 - 2000 m/z: Processed Profile Centroid Reference Image Folder:	M 6) 2, Tail 10)) [um] ht), Scan Sequence (Top to Bot	ttom)	Output Data Folder : C+temp¥test¥ThermoFisherRAW File Name : small Conversion Parameter m/z Range Mall Areas (Auto Calculation During Conversion) m/z m/z 140 Oxise Cut None Cut Below Specified Percentage 10 Sampling Interval Manual Manual 1.21 pm Perfore to IMDV file Verter IMDV file	Mass Compensation Intensity Correction Intensity Correction TOF Sample Information Polarity: Unknown Matrix : Unknown Matrix : Unknown Comments : Matrix
No. Josef Ele Name	Mazzuramant Panga	Output Dertination Folder	Outro	wit Eile Name m/r Pance