

When the normalization
results seem incorrect

Normalization is not division.

- In IMAGEREVEAL MS, normalization is defined as follows:
 - Adjust the intensity values within the specified m/z range at each measurement point to a specific reference value.
 - Therefore, the intensity values after normalization can be either larger or smaller depending on the normalization settings.

Pre-processing (Normalization) Settings

Pre-processing Setting

Normalize: ☐ None ☒ TIC ☐ XIC

Import Export + -

No.	Use	m/z	Tolerance
1	<input checked="" type="checkbox"/>	500.00000	501.0000

2

☒ Reference Value Setting

Minimum Threshold Value (%)

Calculation Method: Accumulation

Specified Method: ☐ Range ☒ Center ± Tolerance

OK Cancel

- ① Set the m/z range for normalization.
 - None: No normalization.
 - TIC: Adjust the sum of signal intensity values over the entire m/z range at each measurement point to the reference value.
 - XIC: Adjust the sum of signal intensity values within the specified m/z range to the reference value.
 - Add the m/z range to the table below.
 - ② Set the reference value.
 - This reference value is used as the maximum intensity of the spectral profile in the entire dataset after normalization.
 - No input: 1,000,000
- For other parameters, please refer to the manual.