

# Maxpar Pathsetter: Analyze Data in Method Run Mode

## Introduction

This document describes how to use Maxpar® Pathsetter™ software (401018) in Method Run mode to analyze normalized FCS data files acquired with either a Helios™ instrument and CyTOF® Software v6.7.1016 (108544) or later, or a CyTOF XT™ instrument and CyTOF Software v8.0 (130069) or later, from samples prepared using Maxpar® Direct™ Immune Profiling Assay™ (201325).

**NOTE** For information about data normalization and to receive a copy of Data Normalization for Maxpar Pathsetter (400290), visit [techsupport.fluidigm.com](https://techsupport.fluidigm.com) to contact your local Fluidigm field applications specialist.

## Additional Information

For additional information about data processing in Method Run mode, refer to the following help topics in the Maxpar Pathsetter User Guide:

- Method Run SOP
- Method Run: Using Maxpar Pathsetter for Mass Cytometry Immunophenotyping Analysis

## Access the Maxpar Pathsetter User Guide

### From Windows

Click the **Start** button, and then click **Fluidigm > MaxparPathsetter User Guide**

### From Maxpar Pathsetter

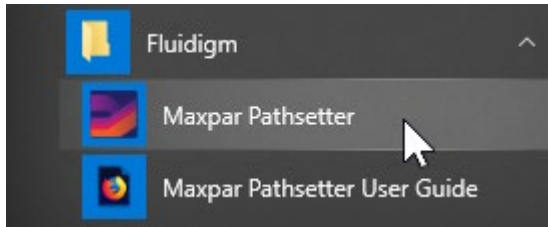
- 1** Click the **Start** button, and then click **Fluidigm > MaxparPathsetter**.
- 2** In Maxpar Pathsetter, click **Help > User Guide**.

# Analyze Data in Method Run Mode

## Choose a Method

**NOTE** For more information about Maxpar Pathsetter™ Methods, see [Appendix A: About Pathsetter Methods](#).

- 1 Start Maxpar Pathsetter.
  - a Click **Windows Start**, and then click **Fluidigm > Maxpar Pathsetter**.

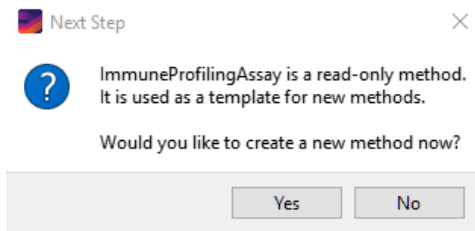


- b If prompted, log in with your Windows® account credentials.

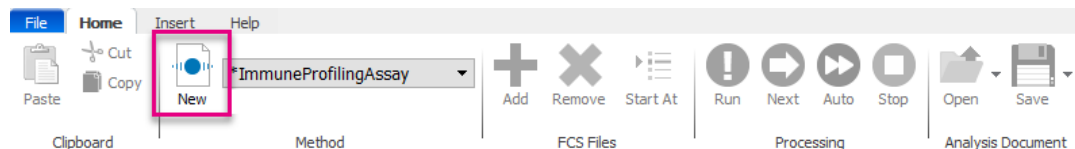
- 2 Create a Method.

- a Choose an existing Method to use as a template for the new Method.

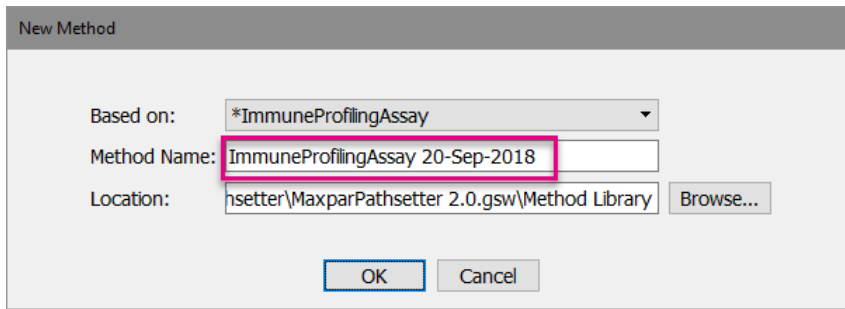
**NOTE** If you are starting Pathsetter for the first time, or if `ImmuneProfilingAssay`—a read-only method provided with Pathsetter—is selected, the following message is displayed. Click **Yes** to create a new Method using **ImmuneProfilingAssay** as a template. Click **No** to choose a different Method from the drop-down list.



- b If the previous message was not displayed, click **New**.

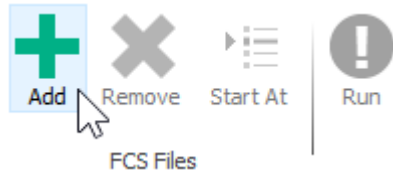


- 3 In the New Method dialog box, use or modify the default Method Name and Location, and then click **OK**.



## Add FCS Files

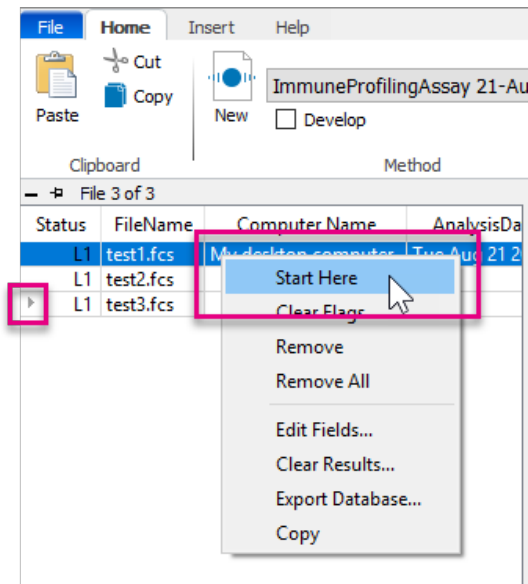
- 1 On the Home tab, click **Add** and navigate to the folder that contains the FCS files you want to analyze.



- 2 Click to select a file (Ctrl + click to select multiple files) and then click **Open**.

**NOTE** Files can also be added by dragging and dropping them from Windows Explorer to anywhere on the Pathsetter window.

- 3 To choose the file to process first, right-click the file and click **Start Here**.



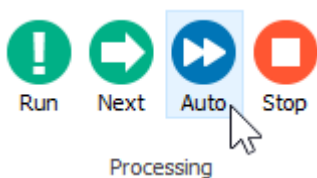
## Start Analysis

Choose either:

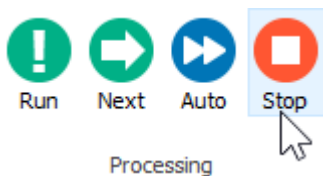
- [Unsupervised Analysis](#) to automatically process a batch of files, or
- [Step-by-Step Analysis](#) to initiate analysis of individual files, review the analysis, and modify the report.

### Unsupervised Analysis

- 1 On the Home tab, click **Auto**.

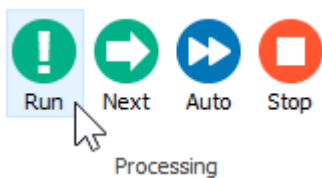


- 2 (Optional) To interrupt analysis, click **Stop**.



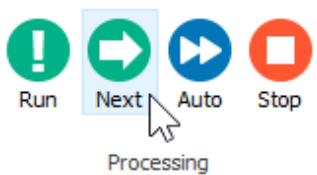
### Step-by-Step Analysis

- 1 Click **Run**.



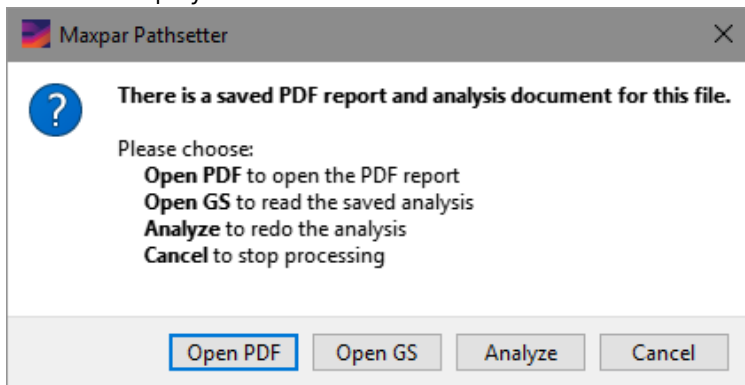
**NOTE** You can review the report after cleanup processing of the file is complete and the cleaned-up file is added to the batch.

- 2 Click **Next** to advance through the files individually.



## Review the Analysis

- 1 Double-click an analyzed file in the batch list. A dialog providing several choices of actions is displayed:



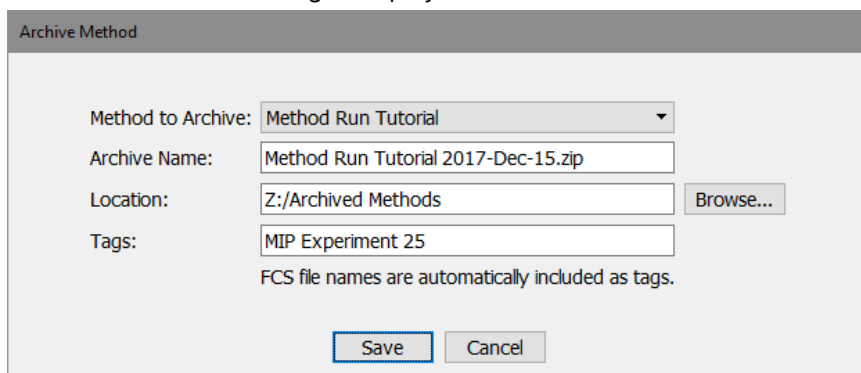
- 2 Choose an action to take by clicking:
  - **Open PDF** to review a PDF of the report in your PDF viewer.
  - **Open GS** to open the analyzed document and add comments to the report.
  - **Analyze** to re-analyze the file.
  - **Cancel** to close the message box with no other action.

## Archive the Analysis

Archiving creates a ZIP file that contains all files and folders within the Method.

- 1 On the File tab, click **Archive Method**.

The Archive Method dialog is displayed.

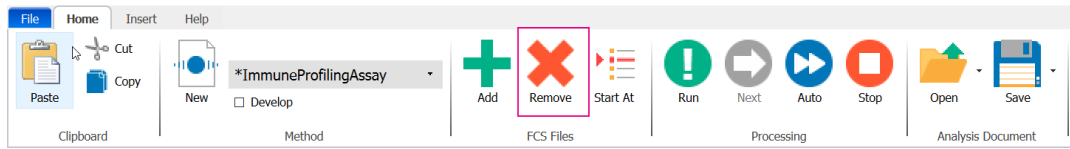


- 2 Review the Archive Method settings and make any necessary modifications.
  - **Method to Archive** is automatically set to the Method that's presently opened. Click the drop-down list to choose a different Method.
  - A default **Archive Name** is provided, based on the current Method name and the date. You can edit this field if you want to change the suggested name.
  - The **Location** field shows where the file will be saved. The last-used location will be displayed. To change the location, click **Browse** and choose a new folder.

- Type any useful keywords into the Tags field. These words, along with the filenames in your batch, can be searched when looking for an archive. The search feature is found on the File tab and is not covered in this Quick Start Guide. See the Maxpar Pathsetter User Guide (Help > User Guide) for more information.
- 3 Click **Save** to create the archive ZIP file. Depending on the number and size of files in the Method, this may take several minutes to complete.
  - 4 After the archive is complete, click **OK** to close the confirmation message box.

## Remove FCS Files

Before processing a new file or batch of files, remove previously loaded files.



- To remove all files from the list, on the Home tab, click **Remove**.
- To remove specific files, click to highlight the files and then click **Remove**.

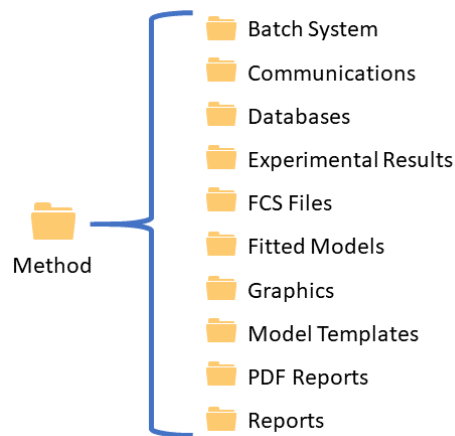
# Appendix A: About Pathsetter Methods

In Maxpar Pathsetter, a Method is a collection of files that determine an analysis approach. A Method includes:

- One or more model templates to analyze FCS files
- One or more batch scripts to determine how to load FCS files and model templates, which operations to perform on the FCS files, and the analysis outputs, such as PDF files and databases

A Method also contains the FCS files added to it, and the output files it generates.

Methods provide a simple way to design an analysis strategy and to manage the related files. On disk, a Method is organized as a set of folders and files.



## For technical support visit [fluidigm.com/support](https://fluidigm.com/support).

North America +1 650 266 6100 | Toll-free (US/CAN): 866 358 4354 | [support.northamerica@fluidigm.com](mailto:support.northamerica@fluidigm.com) Latin America +1 650 266 6100 | [techsupportlatam@fluidigm.com](mailto:techsupportlatam@fluidigm.com)  
Europe/Middle East/Africa/Russia +33 1 60 92 42 40 | [eu.support@fluidigm.com](mailto:eu.support@fluidigm.com) China (excluding Hong Kong) +86 21 3255 8368 | [techsupportchina@fluidigm.com](mailto:techsupportchina@fluidigm.com)  
Japan +81 3 3662 2150 | [techsupportjapan@fluidigm.com](mailto:techsupportjapan@fluidigm.com) All other Asian countries/India/Australia +1 650 266 6100 | [techsupportasia@fluidigm.com](mailto:techsupportasia@fluidigm.com)

## For Research Use Only. Not for use in diagnostic procedures.

Information in this publication is subject to change without notice. Patent and license information: [fluidigm.com/legal/notices](https://fluidigm.com/legal/notices). **Limited Use Label License.** The purchase of this Fluidigm Instrument and/or Consumable product conveys to the purchaser the limited, nontransferable right to use with only Fluidigm Consumables and/or Instruments respectively except as approved in writing by Fluidigm. **Trademarks:** Fluidigm, the Fluidigm logo, CyTOF, CyTOF XT, Direct, Helios, Immune Profiling Assay, Maxpar, and Pathsetter are trademarks and/or registered trademarks of Fluidigm Corporation in the United States and/or other countries. All other trademarks are the sole property of their respective owners. © 2021 Fluidigm Corporation. All rights reserved. 06/2021