

## Multiple Flow Cytometry File Upload

### Flow Cytometry Analysis (Beta) / FLOCK / Overview

Flow Cytometry | Data Management | FLOCK | View/Edit Results | Cross Sample | Help

- FLOCK (FLOW CLUSTERING) is a computational approach to flow cytometry analysis which:
- ▶ Computational approach of unique populations in high dimensional flow data using a rapid binning
  - ▶ Can handle large samples
  - ▶ Maps populations
  - ▶ Calculates many useful summary statistics
  - ▶ Find the most informative parameters
  - ▶ Reduces subjective factors in manual gating



FLOCK and the Centroid Adjustment algorithms are sometimes refined in order to obtain the optimal results. Please be sure to check the [release notes](#) to see if recent modifications would affect your detected populations.

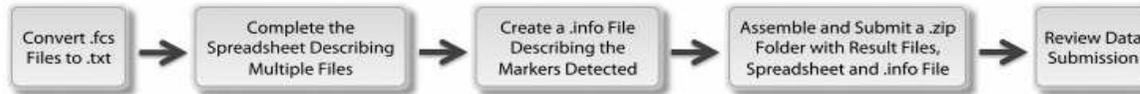
Click **Upload Multiple Files** from the Data Management drop down menu

# ImmPort Flow Cytometry Multiple File Upload Screen

## Flow Cytometry Analysis (Beta) / Data Management / Package Upload

Flow Cytometry | Data Management | FLOCK | View/Edit Results | Cross Sample | Help

### Workflow for Submission of Multiple Flow Cytometry Result Files



Uploaded data will be stored in your private project workspace. To upload using the ImmPort Flow Cytometry multiple file upload process, all .fcs files are required to be converted to the .txt format. Please see the [User Guide](#) or conversion tutorials found in the menu bar under [Help](#).

#### Batch Upload:

- ▶ Complete the [flowTextFiles.xls](#) template with information about each individual file. This template provides the opportunity to rename .txt converted .fcs files, allows for the addition of descriptive name changes via the inclusion of a .info file.
- ▶ Convert the Excel template, saving as a .zip file.
- ▶ ZIP the completed template and the .fcs files at this time if they are to be included. Please do not include spaces in the .zip file name.
- ▶ Select the project to which the data will be saved.
- ▶ Use the Browse feature to select the .zip file and click Submit. Time to complete the processing of submitted data is dependent on the size of the submission queue.
- ▶ To review the uploaded data go to [Data Management, View / Edit Uploaded Data](#)

**flowTextFiles.xls  
required for  
multiple file upload**

**Upload  
instructions**

Research Project Title:

Notes:

Upload Online

- Select Research project to which upload will be stored
- Provide description of uploaded files in "Notes"
- Browse for .zip file

Need help? Please feel free to contact us by email at [helpdesk@import.org](mailto:helpdesk@import.org)

**If your .zip file is less than or equal to 1 Gigabyte, please use the Submit on-line option.**

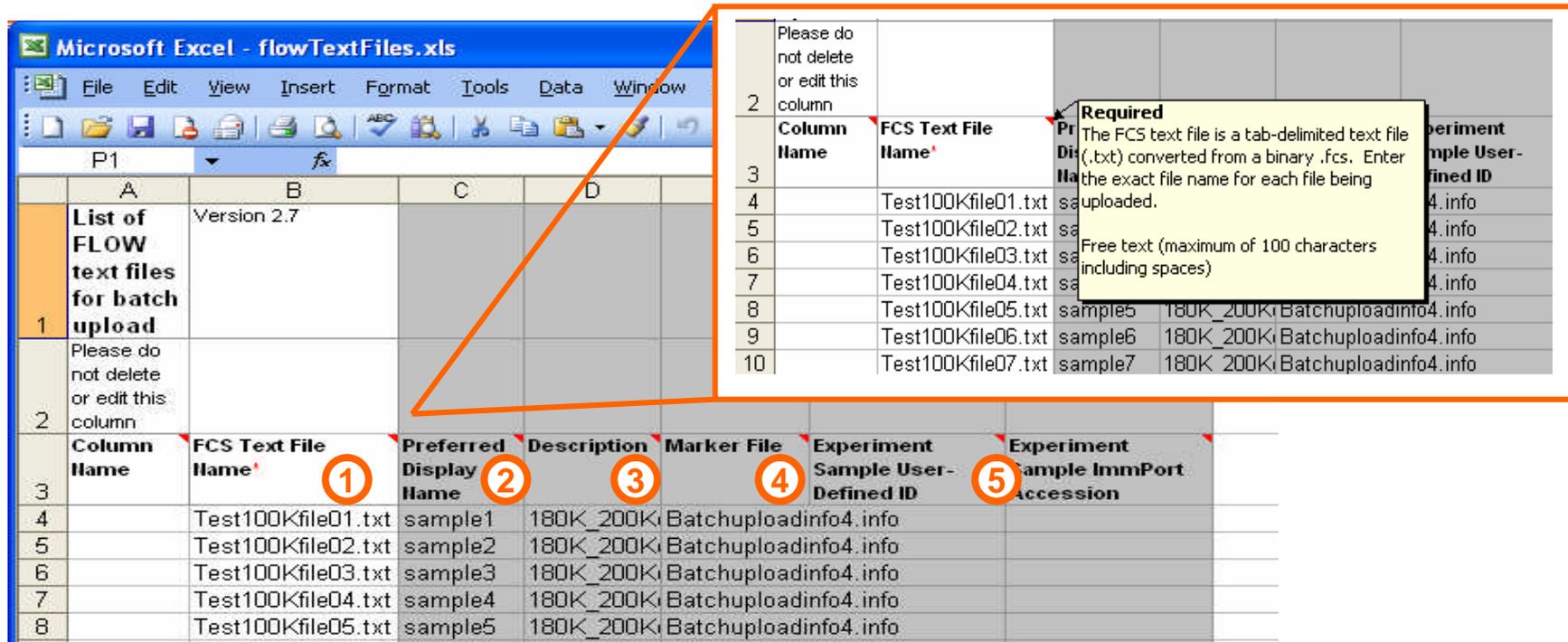
- ▶ Check the "Upload Online" check box.
- ▶ Select the .zip file using the browse button.
- ▶ Click submit and record the registration number you receive.

**If your .zip file is greater than 1 Gigabyte, please use the Submit off-line option.**

- ▶ Uncheck the "Upload Online" check box.
- ▶ Click submit and record the registration number you receive.
- ▶ Contact the help desk ([helpdesk@import.org](mailto:helpdesk@import.org)) with the registration ticket to arrange for file delivery.

**File size upload restrictions**

## flowTextFiles.xls template: Multiple File Upload



Column Name	FCS Text File Name*	Preferred Display Name	Description	Marker File	Experiment Sample User-Defined ID	Experiment Sample ImmPort Accession
	Test100Kfile01.txt	sample1	180K_200K	Batchuploadinfo4.info		
	Test100Kfile02.txt	sample2	180K_200K	Batchuploadinfo4.info		
	Test100Kfile03.txt	sample3	180K_200K	Batchuploadinfo4.info		
	Test100Kfile04.txt	sample4	180K_200K	Batchuploadinfo4.info		
	Test100Kfile05.txt	sample5	180K_200K	Batchuploadinfo4.info		
	Test100Kfile06.txt	sample6	180K_200K	Batchuploadinfo4.info		
	Test100Kfile07.txt	sample7	180K_200K	Batchuploadinfo4.info		

Complete the flowTextFiles.xls template:

1. Fill in **FCS Text Files Names** for each .txt converted .fcs file being uploaded—one file per row.
2. **Preferred Display Name** enables editing of FCS text file names to user-preferred names (optional)
3. **Description** of the file being uploaded (optional)
4. **Marker file** is used to edit the marker names within the flow cytometry file--see the user guide for more details. (optional)
5. **Experiment Sample User-defined ID** and **Experiment Sample ImmPort Accession**. (optional) The ImmPort accession is assigned by ImmPort when an experiment sample is submitted. The **User-defined ID** is provided by the user during data upload via the Experiment Sample submission template. Adding Experiment Sample information allows ImmPort to link uploaded flow cytometry data to Experiment Samples within a Project.
6. Convert flowTextFiles.xls to flowTextFiles.txt and include saved flowTextFiles.txt in a .zip data package.

## Example of .zip data package for ImmPort flow cytometry multiple-file upload without linking to Experiment Samples

**.info file provides more meaningful names for .fcs markers (optional)**

```
Batchuploadinfo04.info
File Edit View Insert Format
FSC-H FSC-H
SSC-H SSC-H
FL1-H CD4
FL2-H CCR3
FL3-H CD8
FL4-H CCR4
```

**flowTextFiles.txt form (required)**  
**Name of form should not be changed prior to data submission**

FCS Text File Name*	Preferred Display Name	
Test100Kfile01.txt	sample1	1
Test100Kfile02.txt	sample2	1
Test100Kfile03.txt	sample3	1
Test100Kfile04.txt	sample4	1
Test100Kfile05.txt	sample5	1

**.txt converted FCS files**

**List of files in your computer folder:**

- Batchuploadinfo04.info
- flowTextFiles.txt
- Test100Kfile01.txt
- Test100Kfile02.txt
- Test100Kfile03.txt
- Test100Kfile04.txt
- Test100Kfile05.txt
- Test100Kfile06.txt
- Test100Kfile07.txt
- Test100Kfile08.txt
- Test100Kfile09.txt
- Test100Kfile10.txt
- Test100Kfile12.txt
- Test100Kfile13.txt
- Test100Kfile14.txt
- Test100Kfile15.txt
- Test100Kfile16.txt
- Test100Kfile17.txt
- Test100Kfile18.txt
- Test100Kfile19.txt
- Test100Kfile20.txt

**Add folder contents into a .zip file**

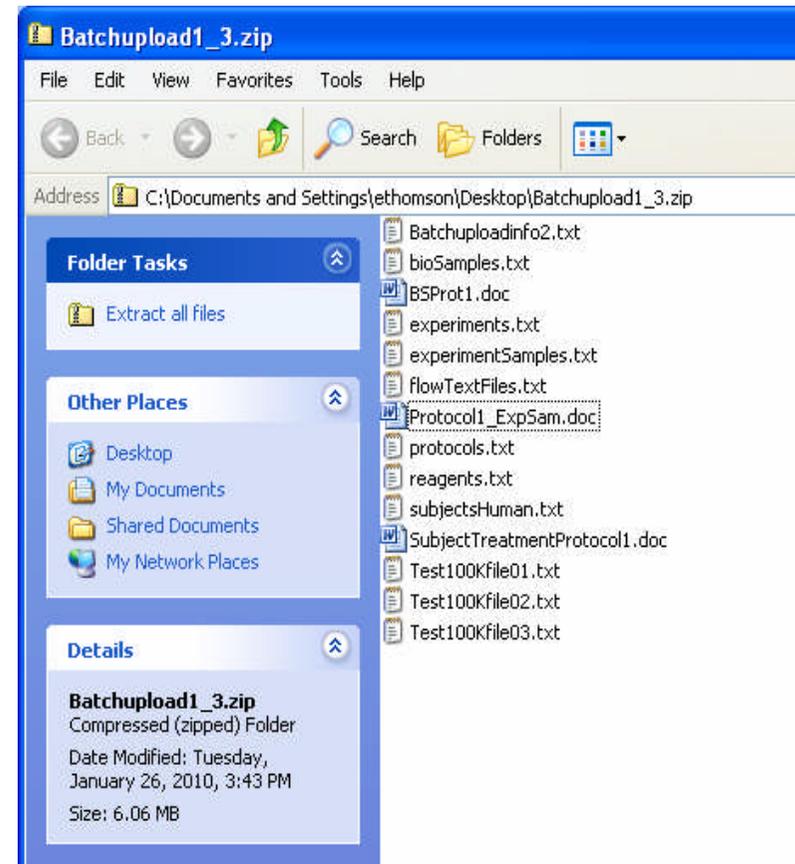


## Example of .zip data package for ImmPort flow cytometry multiple-file upload linking to Experiment Samples

### Items required in .zip package for linking to Experiment Samples:

1. flowTextFiles.xls template converted to .txt
2. Marker information file, tab-delimited, saved as .info
3. protocols.xls template converted to .txt
4. Protocols referred to in the protocol.xls template
5. reagents.xls template converted to .txt
6. subjects (human or animal) .xls converted to .txt
7. experiments.xls converted to .txt
8. experimentSamples.xls converted to .txt
9. bioSamples.xls converted to .txt
10. .fcs files converted to .txt

Please see the Data Submission User Guide for details and links to required data submission templates



# Data Submission Detail view of 3 uploaded files linked to experiment samples

## Data Submission / Data Submission Details

Submit Data | Submission History | Resources ▾

[Back to History](#)

[Data Management Home](#)

Submitted Zip File: Batchupload1\_3.zip  
 Ticket Number: thomsli\_20100126\_1397  
 Project Title: Test Project  
 Data Format: FCM\_report\_file  
 Status: Completed ([download report](#))  
 Submitter: thomsli  
 Submit Date: 01/26/2010 15:44:11  
 Metadata File Format: TAB\_DELIM  
 Notes: Test upload 3 files with exp sample links

17 items found, displaying all items.

Row Num	File Name	Status	Error Message	Description
46856	Batchupload1_3.zip	Pending		server name:testapp1.import.net
46857	Batchupload1_3.zip	Started		
46858	Protocol1_ExpSam.doc	Archived		size: 19968 bytes
46859	SubjectTreatmentProtocol1.doc	Archived		size: 19968 bytes
46860	BSProt1.doc	Archived		size: 19968 bytes
46861	protocols.txt	Parsed		
46862	reagents.txt	Parsed		
46863	subjectsHuman.txt	Parsed		
46864	bioSamples.txt	Parsed		
46865	experiments.txt	Parsed		
46866	experimentSamples.txt	Parsed		
46867	Test100Kfile01.txt 	Archived		size: 5458549 bytes
46868	Test100Kfile02.txt 	Archived		size: 5130040 bytes
46869	Test100Kfile03.txt 	Archived		size: 5445080 bytes
46870	flowTextFiles.txt	Parsed		
46871	Batchuploadinfo2.txt	Archived		size: 88 bytes
46872	thomsli_20100126_1397__Batchupload1_3.zip	Completed		



## Multiple File Upload: upload status

Once the “Submit” button has been clicked, the system will display uploaded file information including the name of the uploaded package and the Upload Ticket number. Click “Here” to view upload Status

Research Project Title: TESTING: Bioinformatic

Notes:

Upload Online

**Submit**

Uploaded File: **Batch3\_5files\_2info\_1fileno\_info.zip** is done.,  
Upload Ticket: **thomsli\_20100119\_1308**  
Click [Here](#) to review Status

Need help? Please feel free to contact us by email at [helpdesk@import.org](mailto:helpdesk@import.org)

### Data Submission / Data Submission History

Submit Data | Submission History | Resources

[Submit Data Main Page](#) → **Step 1: Download and Fill Templates** → **Step 2: Check Data in .zip file** → **Step 3: Send Data in .zip file** → **Step 4: Review Submission Status & Results**

This page is a summary overview of the data submissions to a project. If you have access to more than one project, use the project filter to view the submission queue from other projects.  
The data submitted to ImmPort can be queried and reviewed in [Research Data Search](#)

Filter By Project: TESTING: Bioinformatics Integration Support Project

Click on a Ticket Number below to view a submission's details.

53 items found, displaying 26 to 50. [First/Prev](#) 1, 2, 3 [Next/Last](#)

Ticket Number	ZIP File Name	Format	Status	Submitter	Submit Date
11					
19					
52					
thomsli_20100119_1308	Batch3_5files_2info_1fileno_info.zip		Completed	thomsli	01/19/2010 11:19:38

### View of Uploaded Files status

## View and Edit Upload Data



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### Flow Cytometry Analysis (Beta) / Data Management / Uploaded Files

Flow Cytometry | Data Management | FLOCK | View/Edit Results | Cross Sample | Help

Double click on a row to view details. To toggle column titles, click down arrow to hide or show columns.

Upload Single File  
Upload Multiple Files  
**View/Edit Uploaded Data**

Create Data Set  
View/Edit Data Sets

View Details Run FLOCK Create Analysis Set

Displaying 1 - 20 of 350

<input type="checkbox"/>	Name	Exp Sample ID	Exp Sample Name	Status	Project	FCS Text File	Date Created	
<input type="checkbox"/>	sample1	180K_200Kevents		loaded	Research Project for	Test100Kfile01.txt	2010-02-01	
<input type="checkbox"/>	sample2	180K_200Kevents		loaded	Research Project for	Test100Kfile02.txt	2010-02-01	
<input type="checkbox"/>	sample3	180K_200Kevents		loaded	Research Project for	Test100Kfile03.txt	2010-02-01	
<input type="checkbox"/>	File01a	test batch upload file	<a href="#">ExpSample1a</a>	Sample1a	loaded	Test research project	Testfile01.txt	2010-01-28
<input type="checkbox"/>	File02a	test batch upload file	<a href="#">ExpSample2a</a>	Sample2a	loaded	Test research project	Testfile02.txt	2010-01-28
<input type="checkbox"/>	File03a	test batch upload file	<a href="#">ExpSample3a</a>	Sample3a	loaded	Test research project	Testfile03.txt	2010-01-28

- To view uploaded data, go to “Data Management” from the menu bar and select “View/Edit Uploaded Data”
- Uploaded data can be selected for detailed viewing, editing, and for the creation of analysis sets to be used with FLOCK and Cross Sample comparison
- Experiment Sample links for files which were submitted with Experiment Sample descriptive information. See the Data Submission User Guide for more details