



Converting Project to Screen Data

The screenshot shows the Columbus software interface. At the top, there is a navigation bar with icons for various functions. A callout box labeled '1) Load your dataset in the Image Analysis view' points to a magnifying glass icon in the top bar. Below this, a callout box labeled '2) Load the "Project to Screen.script"' points to a script icon in the top bar. On the left side, a 'Projects' tree view shows a dataset named 'Alzheimer's Disease Plaque 1'. A callout box labeled '3) Click on the first Image in the Dataset' points to the first image icon in this tree. The main workspace is titled 'Project_to_Screen_v2.7-WELLS' and contains a control panel with sections for 'Input Image', 'Embedded Script', and 'Parameter File'. A callout box labeled '4) Enter your Columbus username and password. Optionally, enter a description for the screen/plate. Note, the description is found under the screen/plate Info tabs once converted.' points to the 'General' section of the 'Parameter File' which contains fields for 'Enter User Name for Columbus' (filled with 'user1'), 'Enter Password for Columbus' (filled with dots), and 'Enter Host for Columbus' (filled with 'localhost'). A callout box labeled '5) Click on the green arrow to convert the entire dataset' points to a green arrow icon in the 'Embedded Script' section. To the right of the control panel is a large image of a fluorescence micrograph showing red and green spots. Below the image, the path 'Project > Dataset > Alzheimer's Disease Plaque 1 > Timepoint:1 · Plane:7' is visible. On the far right, there are tabs for 'Tools', 'Controls', and 'Channels'. At the bottom left, there are buttons for 'Select Data' and 'Select Parameter', and a 'Plane' label.

1) Load your dataset in the Image Analysis view

2) Load the "Project to Screen.script"

3) Click on the first Image in the Dataset

4) Enter your Columbus username and password. Optionally, enter a description for the screen/plate. Note, the description is found under the screen/plate Info tabs once converted.

5) Click on the green arrow to convert the entire dataset

The screenshot displays the Columbus software interface. At the top left is the Columbus logo. The top right shows user information: 'user one (user1)', 'Job Status', 'Administration', 'Help', and 'Sign out user1'. The version number '2.7.1' is in the bottom right corner. A blue callout bubble points to a 'New Analysis' icon in the toolbar, containing the text: '2) Click on New Analysis to clear the current script'. The main workspace is titled 'Project_to_Screen_v2.7-WELLS*'. It features a left sidebar with a 'Projects' tree showing 'Alzheimer's Disease Plaque 1', '2', and '3'. The central area has a 'Parameter File' section with a 'General' tab containing fields for 'Enter User Name for Columbus' (filled with 'user1'), 'Enter Password for Columbus' (masked with dots), 'Enter Host for Columbus' (filled with 'localhost'), and empty fields for 'Enter new screen description' and 'Enter new plate description'. To the right is a large 'Input Image' showing a fluorescence microscopy image with red, green, and yellow spots. Further right are 'Tools', 'Controls', and 'Channels' panels. At the bottom, a 'Results' pane is visible with a 'Download' button and a table. A blue callout bubble points to the table, containing the text: '1) Once completed, the following message will appear in the Results pane'. The table has two columns: 'label' and 'value'. The first row shows the message 'Conversion Finished. Please check the Screening folder or tree to find your new plate.' in the 'label' column and a series of dots in the 'value' column.

2) Click on New Analysis to clear the current script

1) Once completed, the following message will appear in the Results pane

label	value
Conversion Finished. Please check the Screening folder or tree to find your new plate.

1) Click on the Screen List to locate the converted dataset

2) Click on the Measurement folder to view the converted data

3) Each individual data set found under the Project Dataset folder is converted into a single well of a new placeholder screen

user one (user)

Screens

- Project
 - Dataset
 - 2017-04-04 11:45:36

Project > Dataset > 2017-04-04 11:45:36 > Well:A1 · Field:1 · Plane:7 · Time:1

Measurement Info Image Details Results and Analysis Published Info

Download

Measurement	Project > Dataset > 2017-04-04 11:45:36
	2017-04-04 11:45:36 +0100
	2402


Tools

Controls

Channels

Well Plane

user one (user1) ▾



Screens

- Project
 - Dataset**
 - 2017-04-04 11:45:36

1) Click on the Plate folder to view the Plate Info

2) The original Project data set names - along with the new well IDs - are stored under the comments section of Plate Info tab.

Select Data | Select Parameter

Plate Info | Published Info

[Download](#)

Plate	Project > Dataset
Type	
Columns	3
Rows	1
ID	2402
Comment	A1, Alzheimer's Disease Plaque 1
Comment	A2, Alzheimer's Disease Plaque 2
Comment	A3, Alzheimer's Disease Plaque 3
Tags	