



Parameters	
Input Image Tags	cp
CellProfiler	
Install Location	C:\Program Files\CellProfiler\CellProfiler.exe ...
Pipeline Source	data/General Imaging/cellNuclei.tif ...
Output Image Filenames	
Output Measurement Filenames	
Output Image Tags	
Measurement Tags	
Promote Measurements	True

Parameters Implementation

Executes CellProfiler pipeline on server

Input Image Tags specifies the images to be processed by a CellProfiler pipeline specified by *CellProfiler Pipeline Source*. The processed image(s) and/or measurements are added to incoming record.

IMPORTANT!

- CellProfiler 2.0 or later must be installed on the same drive as Pipeline Pilot server. See <http://www.cellprofiler.org/install.htm> for install instruction.
- All input images are saved as tif images to CellProfiler input directory. The filenames of these images are the same as their image tags.
- All CellProfiler output images must be saved as tif images to CellProfiler output directory with filenames specified by *CellProfiler Output Image Filenames*.
- All CellProfiler output data must be saved as csv files to CellProfiler output directory with filenames specified by *CellProfiler Output Measurement Filenames*.

Note:

- Only unsigned char, unsigned short, short, int, and color image types are supported.
- The number of filenames in *CellProfiler Output Image Filenames* has to be equal to the number of image tags in *Output Image Tags*.
- The number of filenames in *CellProfiler Output Measurement Filenames* has to be equal to the number of measurement tags in *Measurement Tags*.
- The number of prefixes in *Promote Measurements Prefixes* has to be 0 or equal to the number of measurement tags in *Measurement Tags*.
- For each CellProfiler output csv file the component creates a generic node which contains all the data from that csv file.

See Also

- <http://www.cellprofiler.org/> website for details and updates for CellProfiler program.