

VERSION 1

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FIVTools Overview V.1

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ABSTRACT

Starting point for using FIVTools for image-based functional tools

OPEN  ACCESS

DOI:

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MANUSCRIPT CITATION:

[Pooled image-base screening of mitochondria with microraft isolation distinguishes pathogenic mitofusin 2 mutations | Communications Biology \(nature.com\)](#)

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Protocol status: In development
We are still developing and optimizing this protocol

Created: Jun 20, 2023

Installation

- 1 FIVTools is software designed for use with image-based screens and tools from Washington University's FIVE@MGI and collaborators.

Software	
FIVTools	NAME
Windows 10+	OS
William Buchser	DEVELOPER
https://gitlab.com/buchserlab/fivetools	SOURCE LINK

- 2 Within WashU, the program is accessed from the RIS archive below. Alternatively, this open-source program can be downloaded from the [gitlab repo](#) and run directly.

[\\storage1.ris.wustl.edu\wbuchser\Active\dB\Software\FIVE_Tools\](https://storage1.ris.wustl.edu/wbuchser/Active\dB\Software\FIVE_Tools/)

Loading Image Folder List

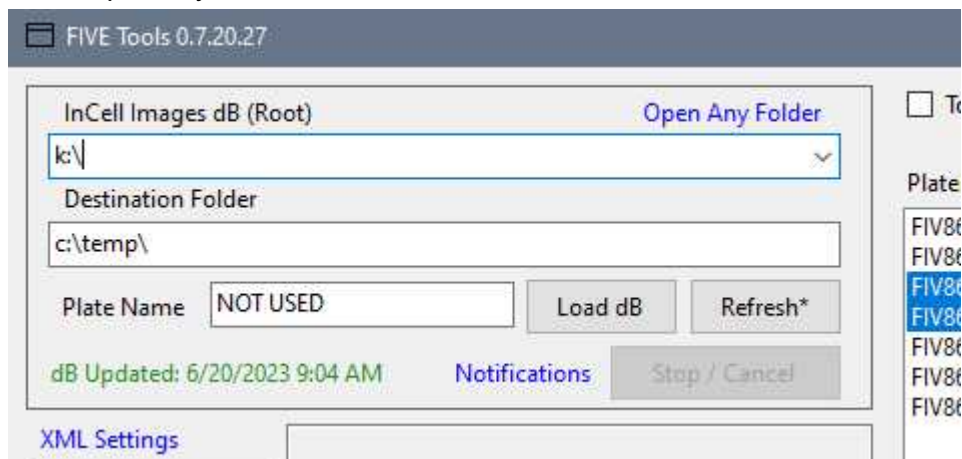
- 3 Open the program. (It may ask to install an update which you can).
- 4 Below, you can choose whether the images come from the InCell or ImageXPress microscopes (select the InCell path), or if they are "Non-Standard" (anything else).
Step 4 includes a Step case.

Non-Standard
InCell

step case

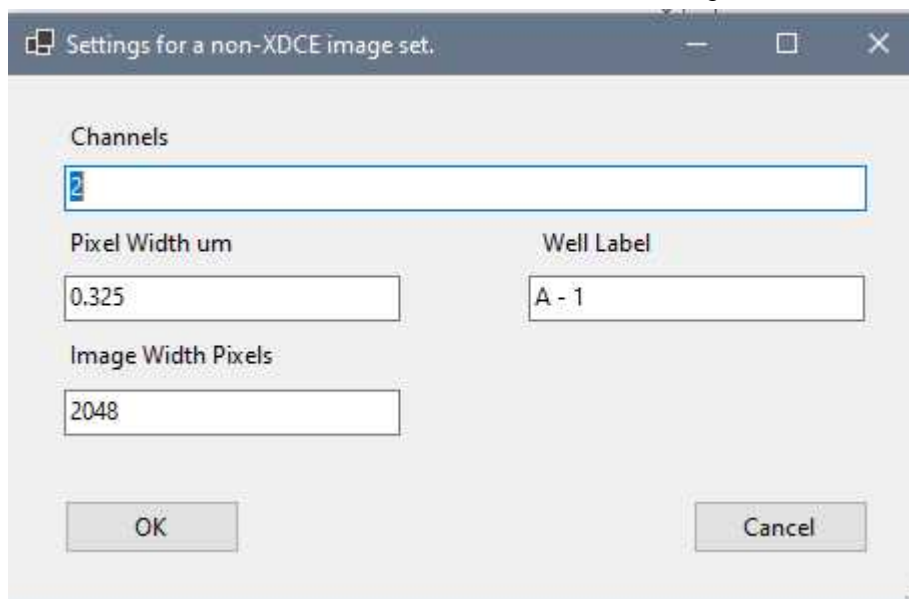
Non-Standard

5 Click "Open Any Folder"



Select an image, then press OK.

6 Tell FIVTools some of the information about these images



The functionality of this is currently limited, images from InCell or ImageXpress are the primary way to use this software