

Jun 21, 2023

Version 1

FIVTools Overview V.1

DOI

<https://dx.doi.org/10.17504/protocols.io.rm7vzxn62gx1/v1>

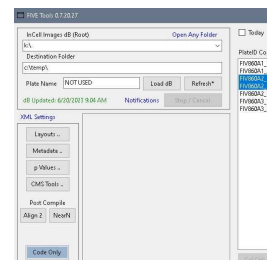
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Protocol Citation: William Buchser 2023. FIVTools Overview. [protocols.io](https://dx.doi.org/10.17504/protocols.io.rm7vzxn62gx1/v1)

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Manuscript citation:

Pooled image-base screening of mitochondria with micraft 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: June 20, 2023

Last Modified: June 22, 2023

Protocol Integer ID: 83750

Keywords: fivtools for image, fivtools overview starting point, using fivtool, fivtool, based functional tool, functional tool, tool

Funders Acknowledgements:

MGI

Abstract

Starting point for using FIVTools for image-based functional tools

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>

REPOSITORY

<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

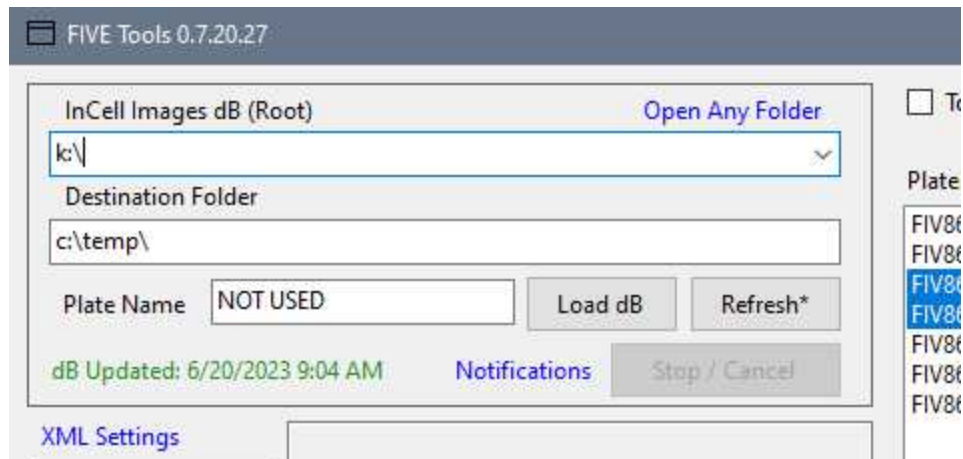
- 3 Open the program. (It may ask to install an update which you can).
- 4 Below, you can choose whether the images come from the InCell or ImageXPress microscopes (select the InCell path), or if they are "Non-Standard" (anything else).

STEP CASE

Images from a Non-Standard Source

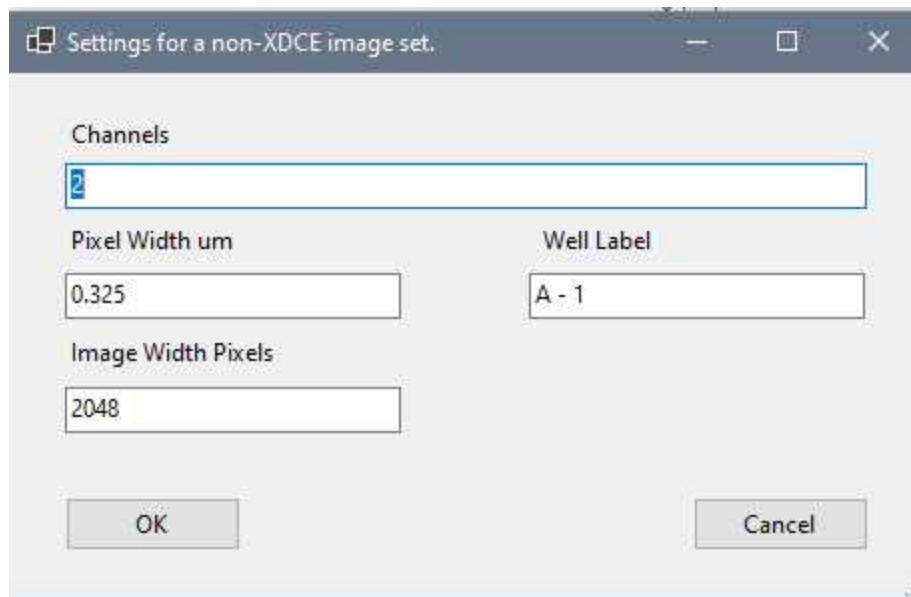
2 steps

- 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