



Okolab journals for MetaMorph AF

Version 1.0

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1. Setup

1.1. Add device

1. Open Meta Imaging Series Administrator
2. Click Configure Hardware button
3. Click Install System Devices
4. Click Configure Devices button
5. Select Serial Communications Port on the available Hardware list and click Install to add it to the Installed Devices list
6. Select the COM Port entry of the Serial Communications Port just added and click Settings
7. Configure the Port, selecting the right COM Port and using these settings:
 - a. Baud Rate: 115200
 - b. Parity: None
 - c. # of Data Bits: 8
 - d. # of Stop Bits: 1
8. Confirm the settings, clicking OK

1.2. Configure device

1. Open Meta Imaging Series Administrator
2. Click Configure Hardware button
3. Click Configure Devices
4. Add Serial Communications Port from Available Devices to Claimed Devices. Make sure COM Port entry settings are right.

1.3. Import journals

1. Open Leica MM AF
2. Menu Journal > Import Journal Suite...
3. Click Select Journal Suite button and select okolab_journals.jzp
4. Click Select Import Location button and select C:\Program Files\MMAF\app\mmproc\okolab



2. Usage

2.1. Collect data

1. Open Multi Dimensional Acquisition (MDA) from the Apps menu
2. Click on the tab marked "Journal"
3. Click on the sign + to add a journal to run.
4. According to your configuration, add one or more of the following journals: Collect Temp.JNL, CollectCO2.JNL, COLlectO2.JNL
5. Configure the added journal using Special / After each image setting. In this way, values will be acquired from Okolab devices after each image acquisition and stored in this image.
6. Configure the MDA parameters according to your needs and start the acquisition clicking the Acquire button.

Reference: <http://support.meta.moleculardevices.com/docs/t20117.pdf>

2.2. Read data

Each image of the experiment will have one or more of the following Info and Properties: CO2 %, O2 % and Temperature °C (Edit > Image Info and Edit > Image Properties).

2.3. Change set point

Set Point of the Okolab devices can be changed using the following journals: ChangeCO2.JNL, ChangeO2.JNL, ChangeTemp.JNL