

EVOS™ M3000 Imaging System

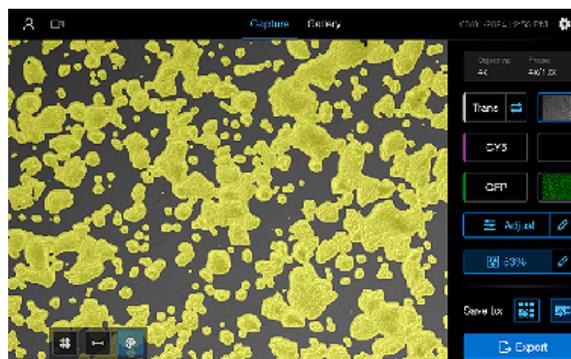
Catalog Numbers AMF3000

Doc. Part No. 710641 Pub. No. MAN1000716 Rev. A

Note: For safety and biohazard guidelines, see the “Safety” appendix in the following product documentation: EVOS™ M3000 Imaging System User Guide (Pub. No. MAN0030066). Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

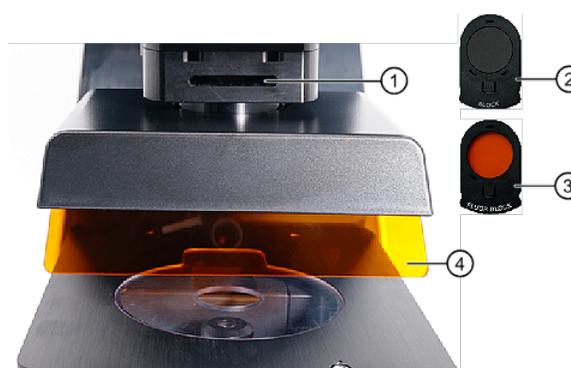
Measuring confluency

- For optimal results, measure confluency using 4X phase contrast. Enable the automated confluency measurement by tapping  (**Confluency**).
- Tap  (**Edit**) for options to show/hide the mask and adjust the algorithm sensitivity.
- Brightness can also affect the sensitivity. Use the **Sensitivity** slider to increase or decrease the brightness to further adjust the fit of the mask.



Capturing fluorescent images

- Capture high-quality fluorescent images by installing the clip-on light shield and inserting the Block Slider or Fluor-Block Slider into the condenser. The Block Slider produces slightly higher-quality fluorescent images, while the Fluor-Block Slider does not need to be removed when switching between fluorescent and transmitted light channels. The Fluor-Block Slider only needs to be removed when imaging in color.
- Filter out the lowest-intensity pixels (background fluorescence) and boost the highest-intensity pixels (true signal) by configuring and applying  (**Adjust**) per channel pixel intensity settings.



- ① Block slot
- ② Block Slider
- ③ Fluor-Block Slider
- ④ Clip-on Light Shield

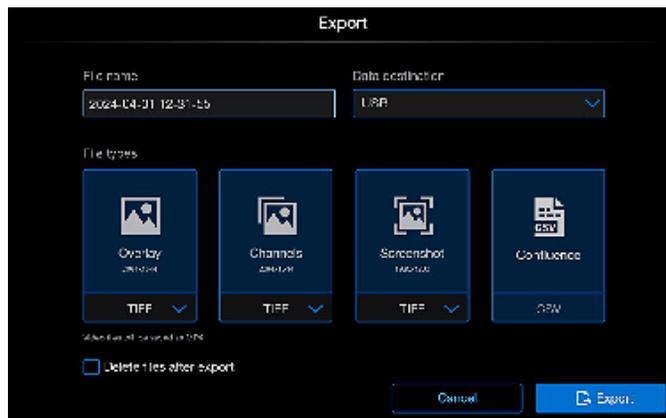
Exporting files

Images, videos, and confluency values can be exported from the Capture or Gallery screens.

Export file types include:

- **Overlay:** All channels (pseudo-color enabled) with scalebar and/or gridlines overlaid. Produces one file in TIFF, JPG, or PNG format.
- **Channels:** Individual monochrome channels exported in OME-TIFF format.
- **Screenshot:** A screenshot of the system as it appeared when **Export** was selected.

Videos are always exported in MP4 format, while confluency values saved with an image are exported as a CSV file.



Additional information

- When imaging in phase contrast, ensure the phase ring matches the objective installed. Brightfield requires the phase ring to be in the **Brightfield** position.
- To clear images from the memory buffer without overwriting them, swipe left on the image thumbnail.
- With a USB installed, images can be saved directly from the **Capture** screen to the USB using **Save to: USB**. This option bypasses using the Gallery for saving.
- Gridlines, scalebar, and pseudo color can be toggled using the buttons in the bottom left of the **Capture** screen.



Limited product warranty

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For descriptions of symbols on product labels or product documents, go to thermofisher.com/symbols-definition.

Revision history: Pub. No. MAN1000716 A

Revision	Date	Description
A	27 January 2025	New document for EVOS™ M3000 Imaging System.

The information in this guide is subject to change without notice.

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