



## CONFOCAL IMAGING CORE FACILITY

**FUNCTION:** The Confocal Imaging Core Facility at the Beth Israel Deaconess Medical Center (BIDMC) provides service and technical assistance for immunostaining, conventional and live-cell confocal microscopy, light (photodocumentation) and fluorescence microscopy, and imaging processing using Improvion Volocity software. Customized training and mentored sessions for conventional and live-cell confocal microscopy as well as brightfield and epifluorescence microscope. All work is done on a fee-for-service basis to recover costs for equipment upkeep and technical help. Priority use is given to BIDMC investigators, but outside users are accepted when extra capacity can be accommodated. This core is also an established core of the Harvard Digestive Diseases Center (HDDC) imaging core B and is supported by NIH grant P30DK034854.

*Please remember to acknowledge the Harvard Digestive Disease Center and NIH grant P30DK034854 in all publications and presentations emerging from HDDC core services, resources, technology, and expertise.*

**FACILITIES:** Equipments in the Confocal Microscopy Core Facility includes Zeiss LSM880 confocal system, Zeiss LSM880 live-cell confocal system\*, Zeiss AxioImagerM1 photodocumentation microscope, a Dell image processing workstation with Improvion Volocity software and Zeiss AxioVision software.

**SERVICES:** The Confocal Microscopy Core Facility provides a full range of standard microscopic services, including frozen sectioning for light, fluorescence, and/or confocal microscopy, positive and negative staining, immunocytochemistry, immunohistochemistry, immunofluorescence and immunoperoxidase labeling of tissue sections. The Confocal Imaging Core facility is housed with the Histology Core Facility and Electron Microscopy Core Facility. Please see <https://www.bidmc.org/research/core-facilities/confocal-imaging-core> for details.

**The prices listed below are effective January 1<sup>st</sup>, 2019**

**FEES:** Please refer to the table, below.

Service Name	BIDMC Price	External Academic	External Corporate	HDDC
<b>Zeiss LSM880 confocal-upright</b>				
Fixed Cell Confocal (independent use-per hour)	\$ 45.00	\$ 67.50	\$ 90.00	\$ 33.75
Fixed Cell Confocal Service Work, Training, Mentored (per hour)	\$ 95.00	\$ 142.50	\$ 190.00	\$ 71.25
<b>Zeiss LSM880 confocal-inverted (Live-cell)</b>				
Live-Cell Confocal (independent use-per hour)	\$ 45.00	\$ 67.50	\$ 90.00	\$ 33.75
Live-Cell Confocal Service Work, Training, Mentored (per hour)	\$ 95.00	\$ 142.50	\$ 190.00	\$ 71.25
<b>Widefield Microscopy and Photodocumentation</b>				
<b>Zeiss AxioImager Photomicroscope</b>				
Axioimager (independent use per hour)	\$ 20.00	\$ 30.00	\$ 40.00	\$ 15.00
Axioimager Service Work, Training, Mentored (per hour)	\$ 71.00	\$ 106.50	\$ 142.00	\$ 53.25

Service Name	BIDMC Price	External Academic	External Corporate	HDDC
<b>Immunostaining</b>				
Staining IPOX- Frozen	\$ 360.00	\$ 540.00	\$ 720.00	\$ 270.00
Immunofluorescence-Frozen	\$ 280.00	\$ 420.00	\$ 560.00	\$ 210.00
Immunofluorescence-Frozen (TUNEL)	\$ 285.00	\$ 427.50	\$ 570.00	\$ 213.75
Staining IPOX- Paraffin	\$ 390.00	\$ 585.00	\$ 780.00	\$ 292.50
Immunofluorescence- Paraffin	\$ 315.00	\$ 472.50	\$ 630.00	\$ 236.25
Staining IPOX -Paraffin (TUNEL)	\$ 350.00	\$ 525.00	\$ 700.00	\$ 262.00
<b>Frozen Sectioning</b>				
Frozen sectioning (per hour)	\$ 72.50	\$ 108.75	\$ 145.00	\$ 54.40
Frozen sectioning (per slide charge)	\$ 1.25	\$ 1.90	\$ 2.50	\$ 0.95
Frozen sectioning (independent)	\$ 29.50	\$ 44.25	\$ 59.00	\$ 22.15
Tissue processing-frozen sectioning	\$ 60.75	\$ 91.15	\$ 121.50	\$ 45.60
Staining frozen sections (H&E stain)	\$ 1.90	\$ 2.85	\$ 3.80	\$ 1.45
<b>Image Analysis</b>				
Image Analysis workstation usage fee (per hour)	\$ 1.00	\$ 1.50	\$ 2.00	\$ 0.75
Image Analysis Service Work, Training, Mentored (per hour)	\$ 52.00	\$ 78.00	\$ 104.00	\$ 39.00
<b>Consultation and Special project</b> (per hour)	\$ 50.00	\$ 75.00	\$ 100.00	\$ 37.50
<b>Other services and supplies</b>				
Mounting fluorescent slides (per slide)	\$ 2.50	\$ 3.75	\$ 5.00	\$ 1.85
Slide Holder (10)	\$ 1.20	\$ 1.80	\$ 2.40	\$ 0.90
Slide Holder, cardboard (25)	\$ 2.00	\$ 3.00	\$ 4.00	\$ 1.50
Slide Holder, plastic (25)	\$ 2.55	\$ 3.85	\$ 5.10	\$ 1.90
Slide Holder, plastic (50)	\$ 2.70	\$ 4.05	\$ 5.40	\$ 2.05
Slide Holder (100)	\$ 3.90	\$ 5.85	\$ 7.80	\$ 2.95
Slide Holder Tray (20)	\$ 4.00	\$ 6.00	\$ 8.00	\$ 3.00
Glass-bottom culture dishes (per sleeve of 10 dishes)	\$ 21.00	\$ 31.50	\$ 42.00	\$ 15.75

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