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**Protocol status:** Working  
We use this protocol and it's working

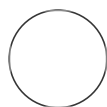
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## 🌐 Ionpath MIBI (Multiplexed Ion Beam Imaging) Protocols -- University of Minnesota TMCs

Ionpath Inc.<sup>1</sup>

<sup>1</sup>Ionpath Inc, CA, USA

Cellular Senescence Network (SenNet) Method Development Community



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### ABSTRACT

Link to information regarding Ionpath MIBI as used by the University of Minnesota

**1** *Links to company sites:*

<https://www.ionpath.com/>

<https://www.ionpath.com/mibiscope/>

**2** **Slides and Reagents from Ionpath for MIBI**

*Slides* (Cat#: 567001): specially formulated, high-purity gold-coated slides

*Reagents*

MIBI 20X TBS-T (Cat#: 567005)

MIBI 10X PBS (Cat#: 567004)

MIBI 10X Tris pH8.5 (Cat#: 567003)

MIBI diH<sub>2</sub>O (Cat#: 567002)

*Current Ionpath company Conjugated Antibody information for human FFPE tissue and mouse FFPE or frozen tissue:* <https://www.ionpath.com/conjugated-antibodies/>

<https://www.ionpath.com/antibody-panels/>

*Ionpath Conjugation kits:*

<https://www.ionpath.com/antibody-conjugation-kit/>

**3** **Overview of the MIBI staining protocol with Ionpath reagents and slides**

1. Prepare and bake the slides
2. Deparaffinization and Rehydration
3. Heat-induced Antigen retrieval
4. Wash with MIBI 20X TBS-T (Cat#: 567005)
5. Blocking
6. Antibody Staining (Metal-conjugated Abs)
7. Fixation and Dehydration
8. Dry and Store the slides if not processing on scope right away.