

Materials List for

Expanding the Comprehension of the Tumor Microenvironment using Mass Spectrometry Imaging of Formalin-Fixed and Paraffin-Embedded Tissue Samples

Leticia Campos Clemente¹, Ou Shi¹, Frank Rojas¹, Edwin Roger Parra¹

¹Department of Translational Molecular Pathology, The University of Texas MD Anderson Cancer Center

Corresponding Author

Edwin Roger Parra

erparra@mdanderson.org

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jove.com/video/64015

Materials

| Name | Company | Catalog Number | Comments |
|--|------------------------------|----------------|----------|
| 100% Reagent Alcohol | Sigma-Aldrich | R8382 | |
| 95% Reagent Alcohol | Sigma-Aldrich | R3404 | |
| 80% Reagent Alcohol | Sigma-Aldrich | R3279 | |
| 70% Reagent Alcohol | Sigma-Aldrich | R315 | |
| 20X TBS-T | lonpath | 567005 | |
| 10X Low-Barium PBS pH 7.4 | lonpath | 567004 | |
| 10X Tris pH 8.5 | lonpath | 567003 | |
| 4°C Refrigerator | ThermoScientific | REVCO | |
| Aerosol Barrier Pipette Tips P10 | Olympus | 24-401 | |
| Aerosol Barrier Pipette Tips P20 | Olympus | 24-404 | |
| Aerosol Barrier Pipette Tips P200 | Olympus | 24-412 | |
| Aerosol Barrier Pipette Tips P1000 | Olympus | 24-430 | |
| Centrifugal Filter Ultrafree-MC | Fisher Scientific | UFC30VV00 | |
| Deionized H2O | lonpath | 567002 | |
| Donkey serum | Sigma-Aldrich | D9663 | |
| EasyDip Slide Staining Jar, Green | Electron Microscopy Sciences | 71385-G | |
| EasyDip Slide Staining Jar, Yellow | Electron Microscopy Sciences | 71385-Y | |
| EasyDip Slide Staining Kit (Jar +Rack), White | Electron Microscopy Sciences | 71388-01 | |
| EasyDip Stainless Steel Holder | Electron Microscopy Sciences | 71388-50 | |
| Glutaraldehyde 70% EM Grade | Electron Microscopy Sciences | 16360 | |
| Heat Induced Epitope Retrieval (HIER) buffer: 10X Tris with EDTA, pH 9 | Dako | S2367 | |
| Heat resistant slide chamber | Electron Microscopy Sciences | 62705-01 | |
| Hydrophobic barrier pen | Fisher | 50-550-221 | |
| MIBI/O software | lonpath | NA | |

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|--|-------------------|-----------|--|
| MIBIcontrol software | lonpath | NA | |
| MIBIslide | lonpath | 567001 | |
| MIBIscope | lonpath | NA | |
| Microcentrifuge | Eppendorf | 5415D | |
| Microtome | Leica | RM2135 | |
| Moisture Chamber (Humid Chamber) | Simport | M922-1 | |
| Phosphate Buffered Saline (PBS) Tablets | Fisher Scientific | BP2944100 | |
| PT Module | Thermo Scientific | A80400012 | |
| Rapid-Flow Sterile Disposable Filter Units | Fisher Scientific | 097403A | |
| Shaker | BioRocker | S2025 | |
| Spin column (Ultrafree-MC Spin Filter, 0.5mL 0.1µm) | MillQ | UFC30VV00 | |
| Slide oven | Fisher Scientific | 6901 | |
| Vacuum Cabinet Desiccator | VWR | 30621-076 | |
| Task-wipe | Kimberly Clark | 34155 | |
| Xylene | Sigma-Aldrich | 534056-4L | |