FIGURE 1

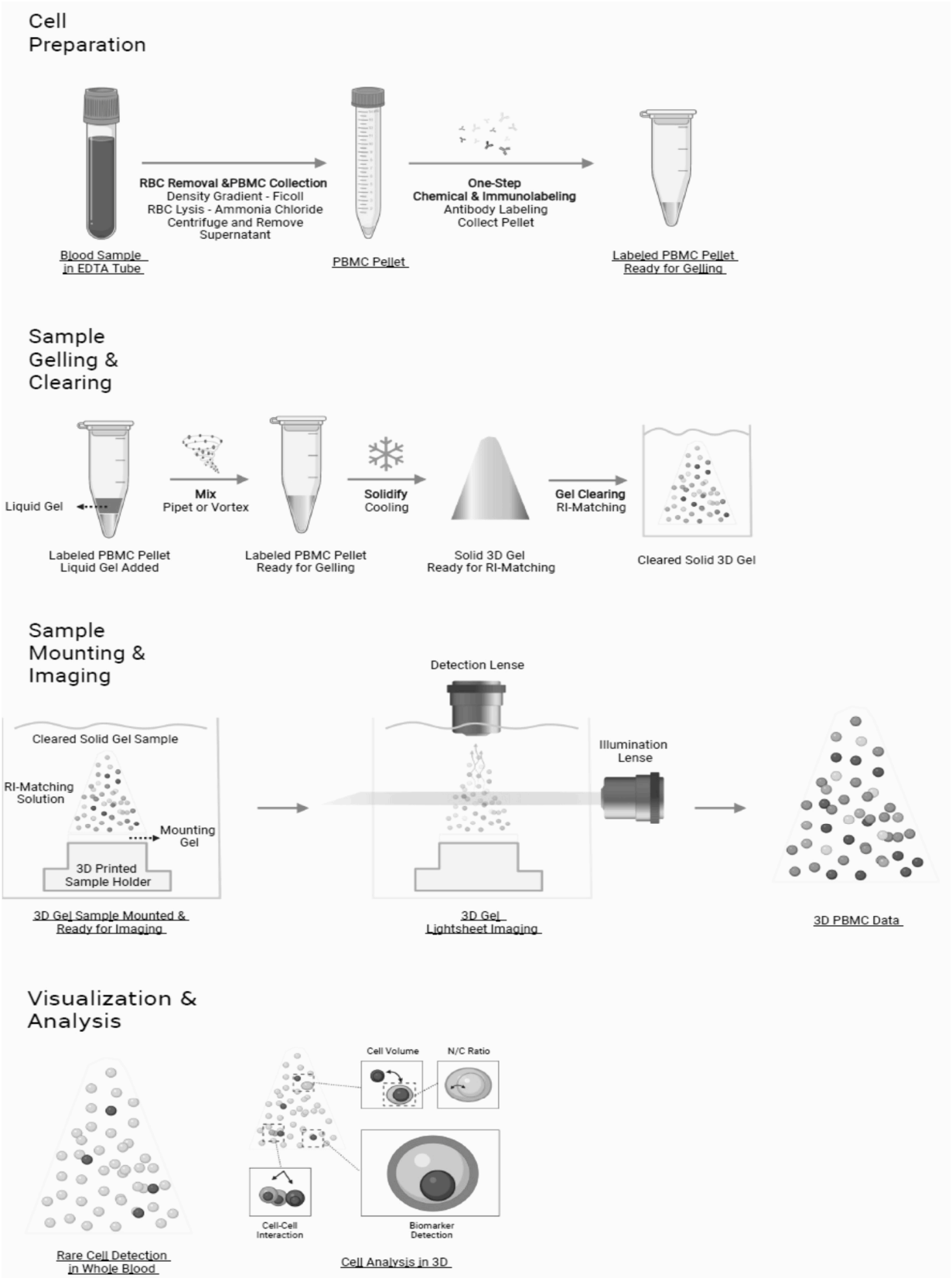

Cell Preparation
RBC Removal &PBMC Collection
Density Gradient - Ficoll
RBC Lysis - Ammonia Chloride
Centrifuge and Remove Supernatant
One-Step
Chemical & Immunolabeling
Antibody Labeling
Collect Pellet
Blood Sample in EDTA Tube
PBMC Pellet
Labeled PBMC Pellet Ready for Gelling
Sample Gelling & Clearing
Liquid Gel
Mix
Pipet or Vortex
Solidify
Cooling
Gel Clearing
RI-Matching
Labeled PBMC Pellet Liquid Gel Added
Labeled PBMC Pellet Ready for Gelling
Solid 3D Gel Ready for RI-Matching
Cleared Solid 3D Gel
Sample Mounting & Imaging
Detection Lense
Cleared Solid Gel Sample
RI-Matching Solution
Mounting Gel
3D Printed Sample Holder
Illumination Lense
3D Gel Sample Mounted & Ready for Imaging
3D Gel Lightsheet Imaging
3D PBMC Data
Visualization & Analysis
Cell Volume
N/C Ratio
Cell-Cell Interaction
Biomarker Detection
Rare Cell Detection in Whole Blood
Cell Analysis in 3D

FIGURE 2A

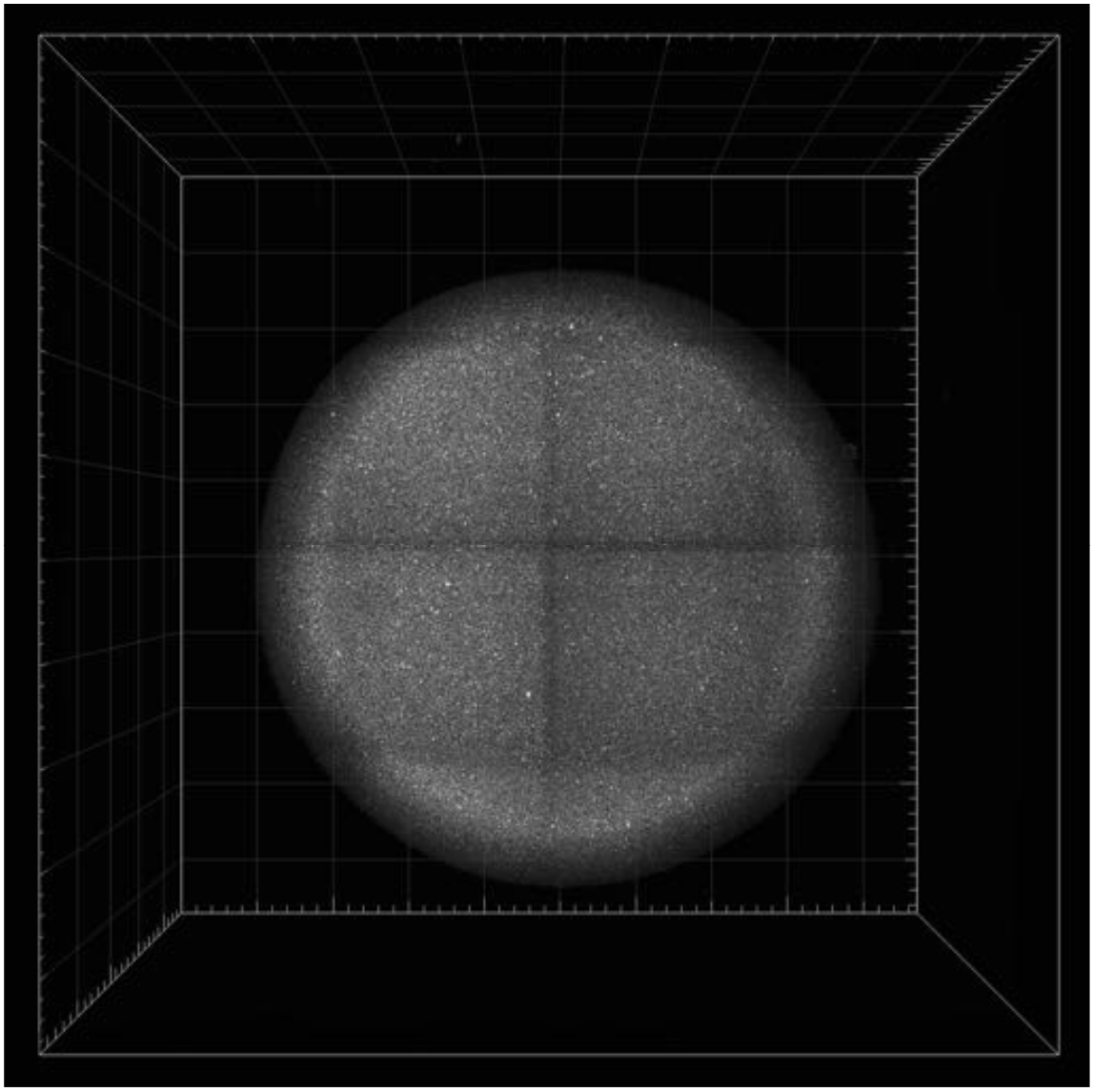


FIGURE 2B

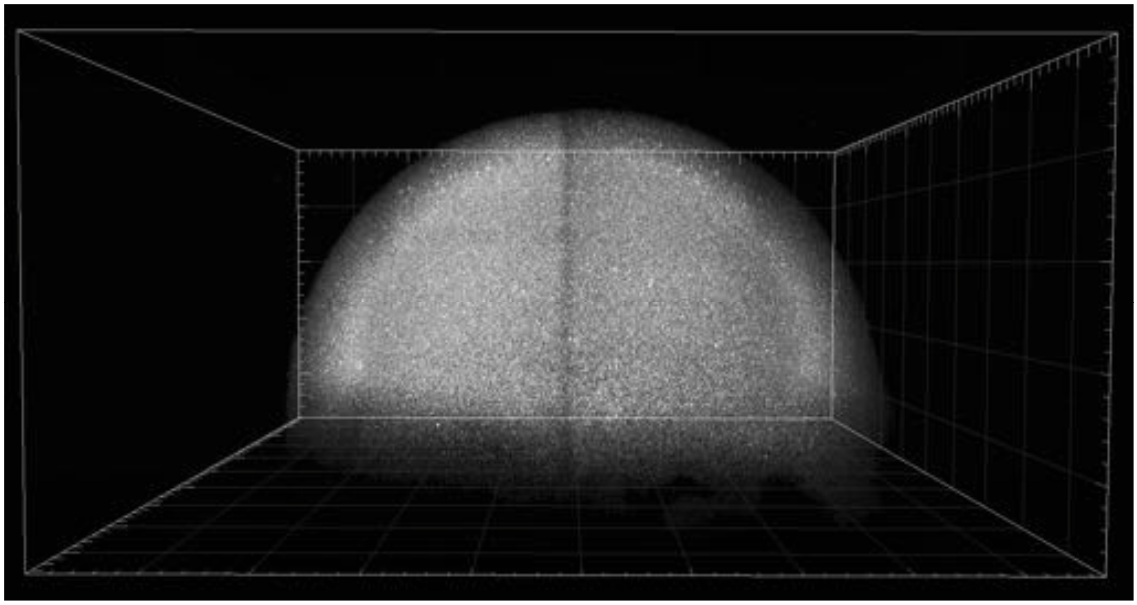


FIGURE 2C

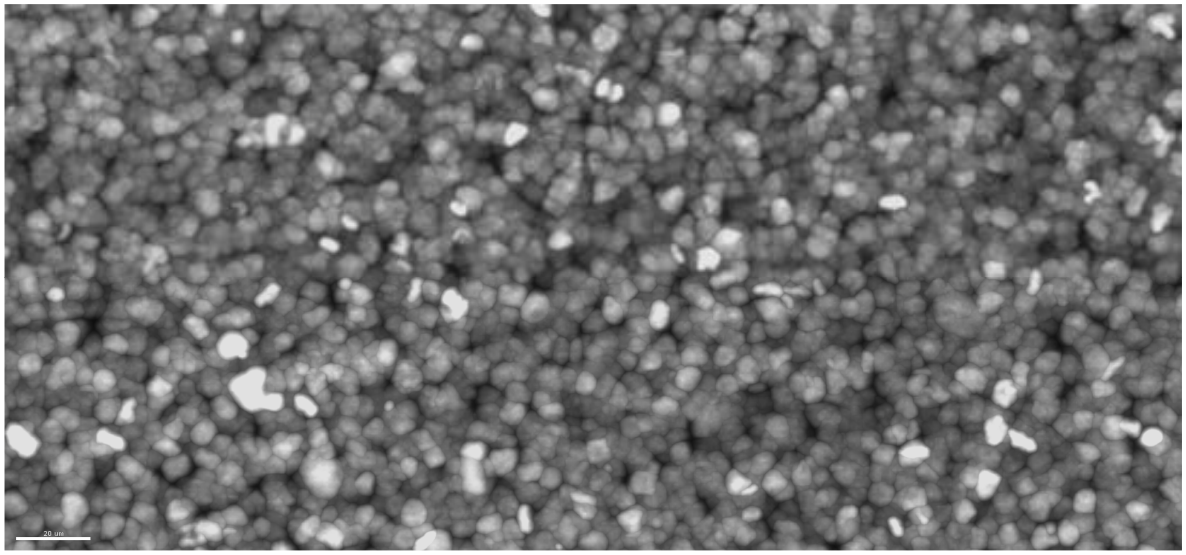


FIGURE 3A

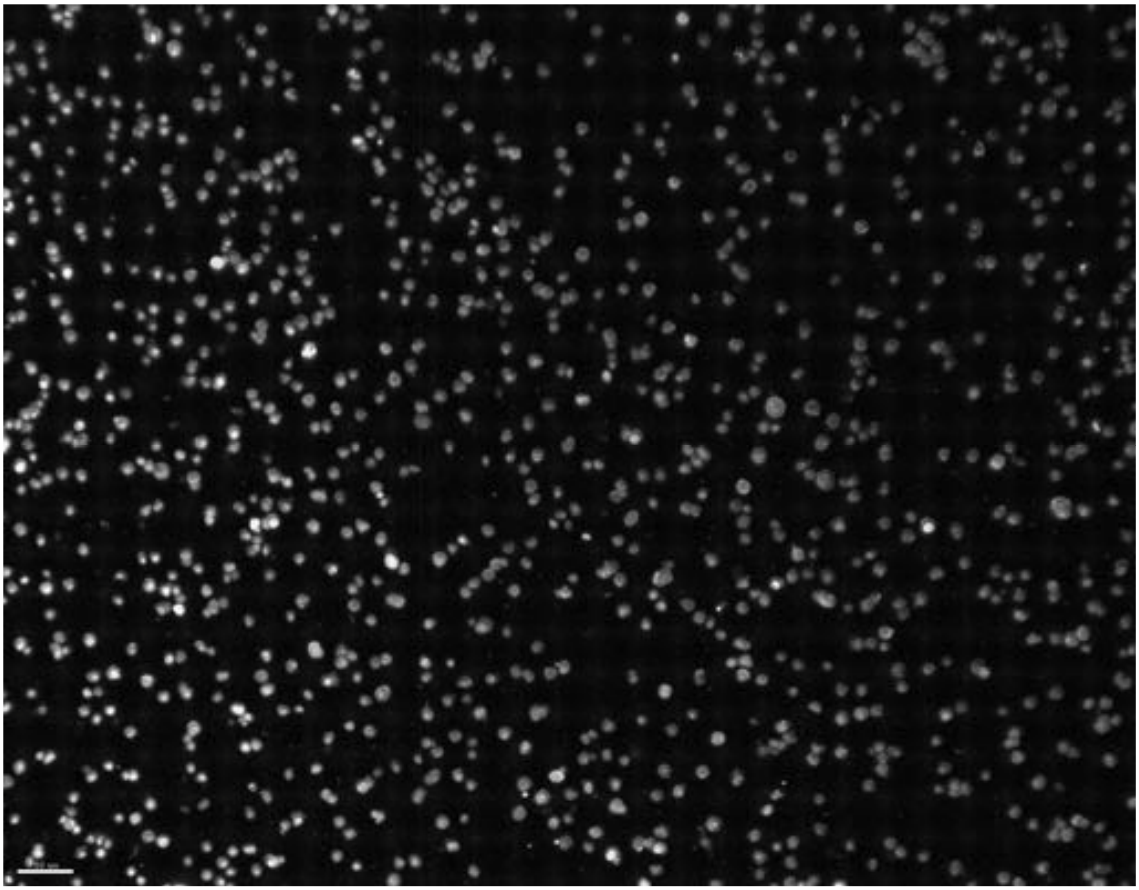


FIGURE 3B

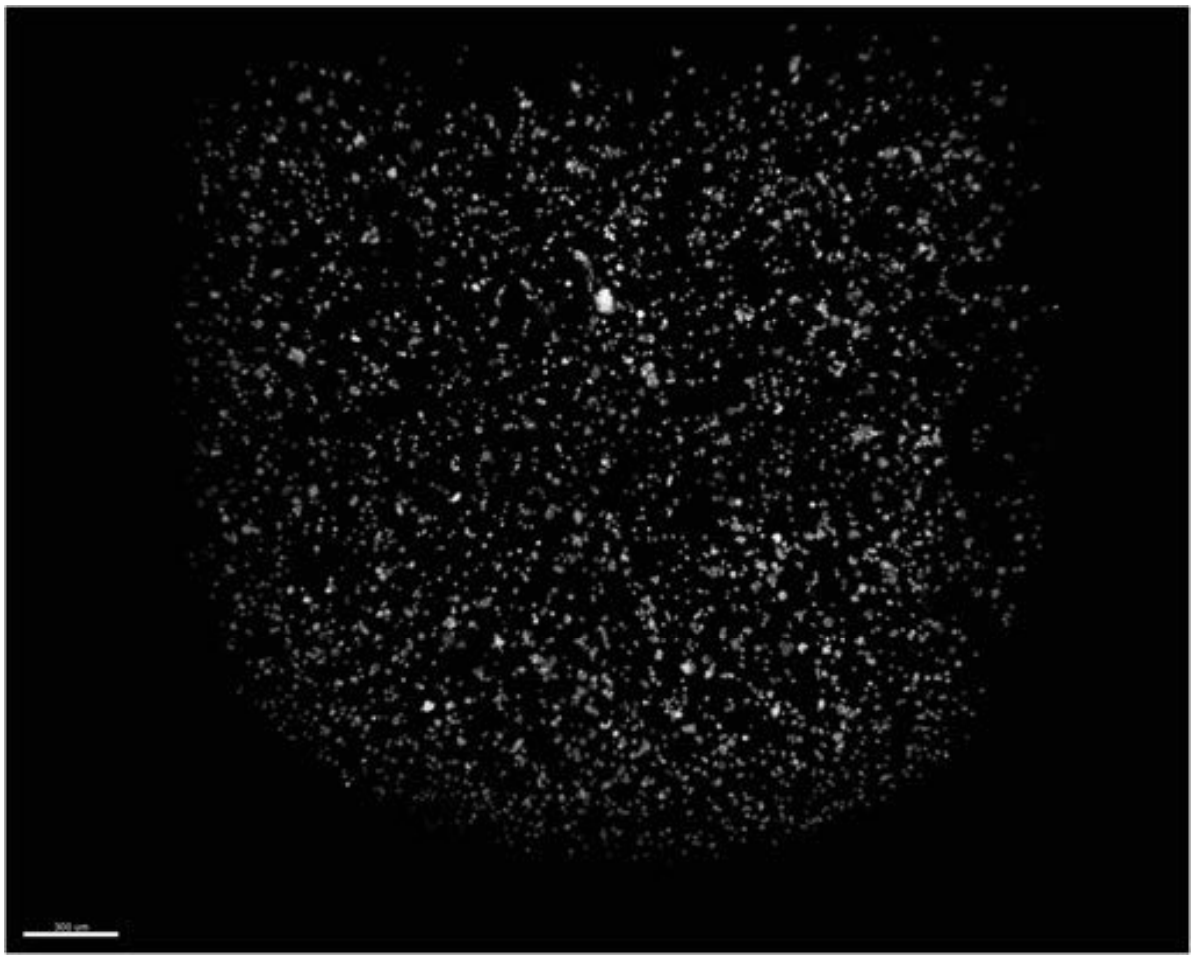


FIGURE 3C

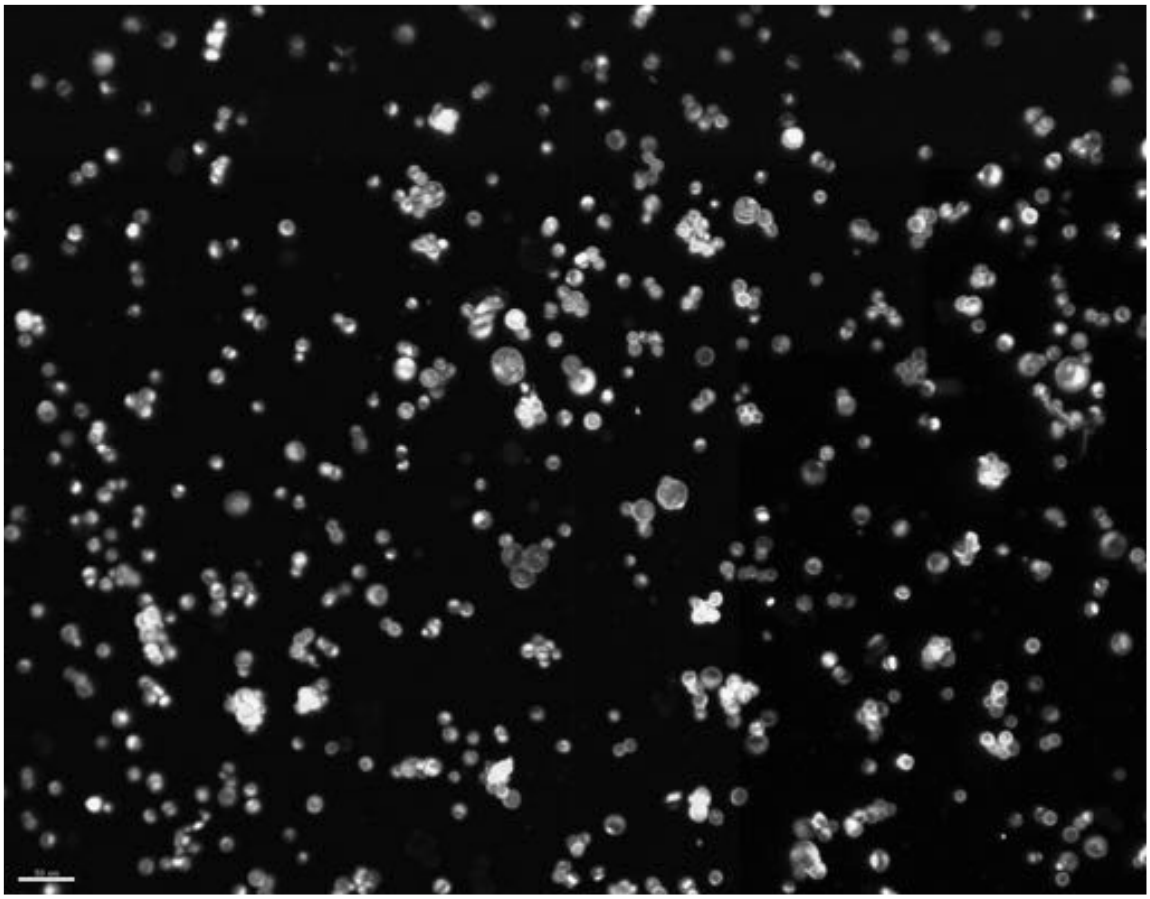


FIGURE 4A

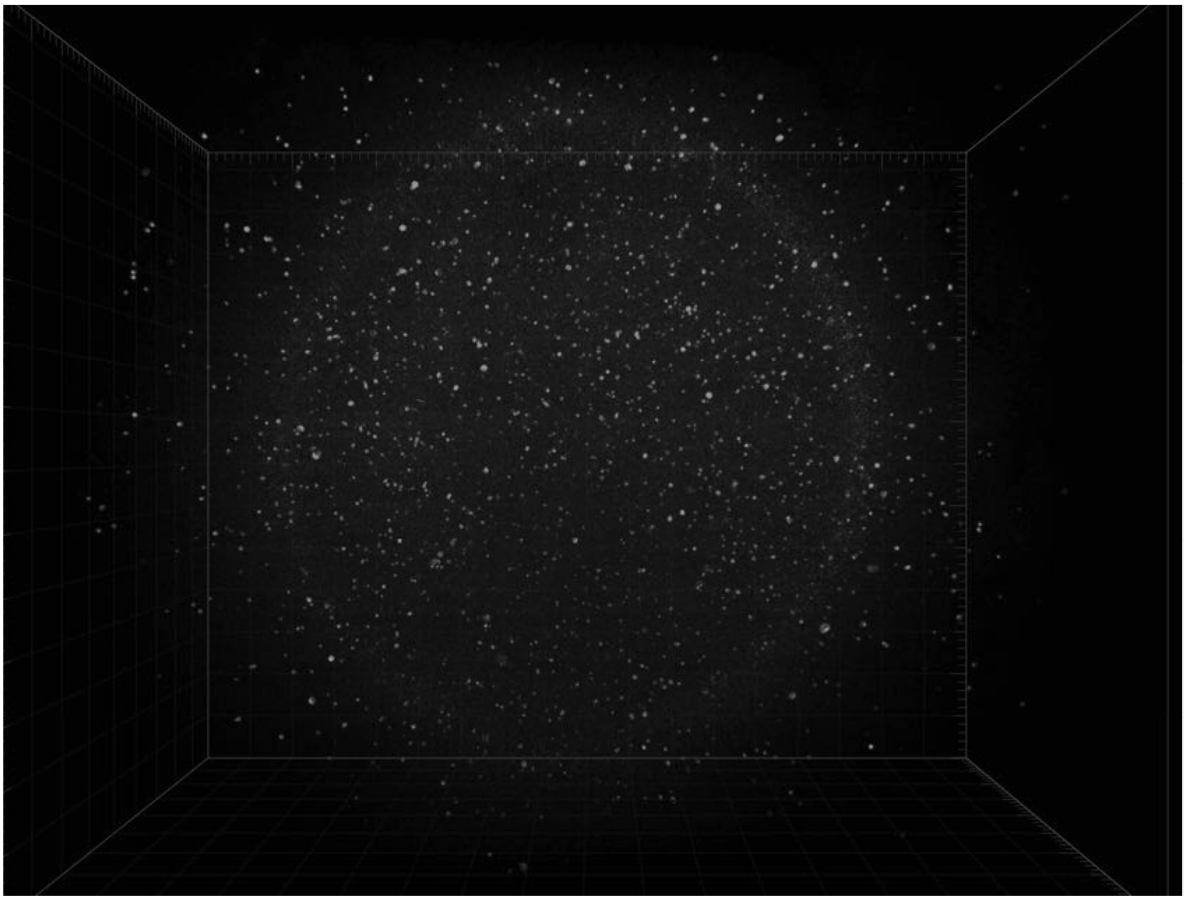


FIGURE 4B

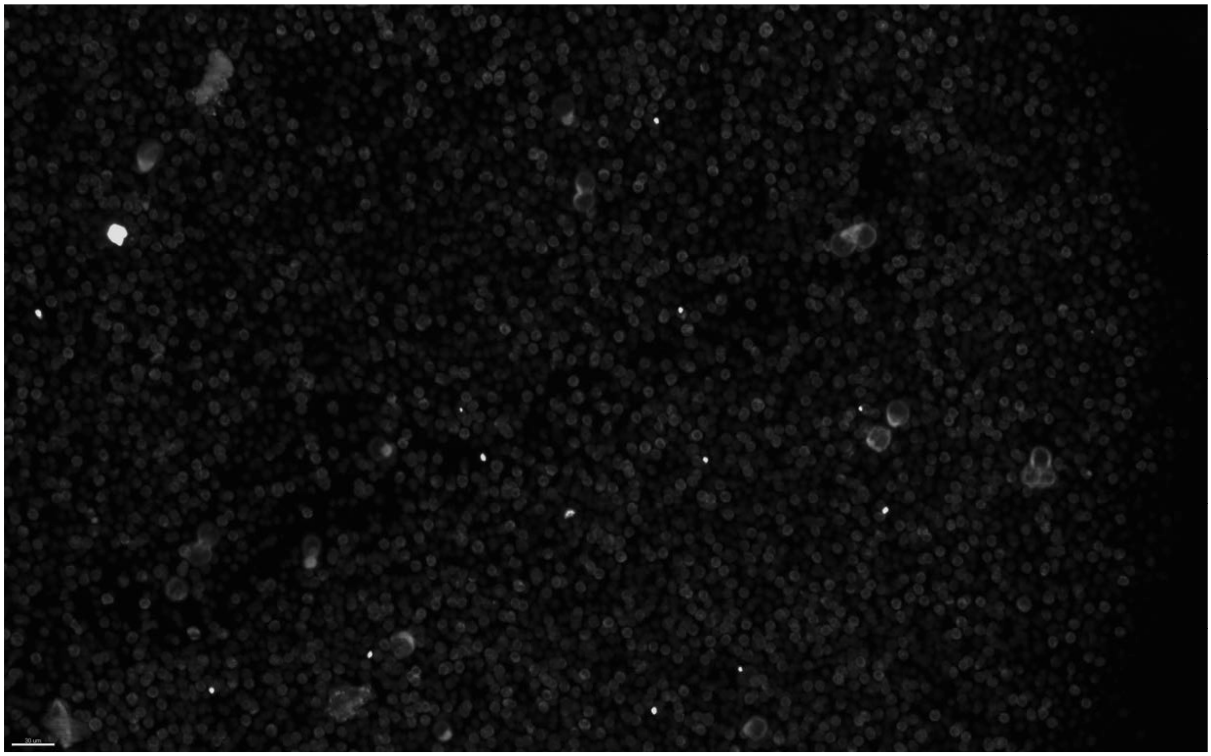


FIGURE 4C

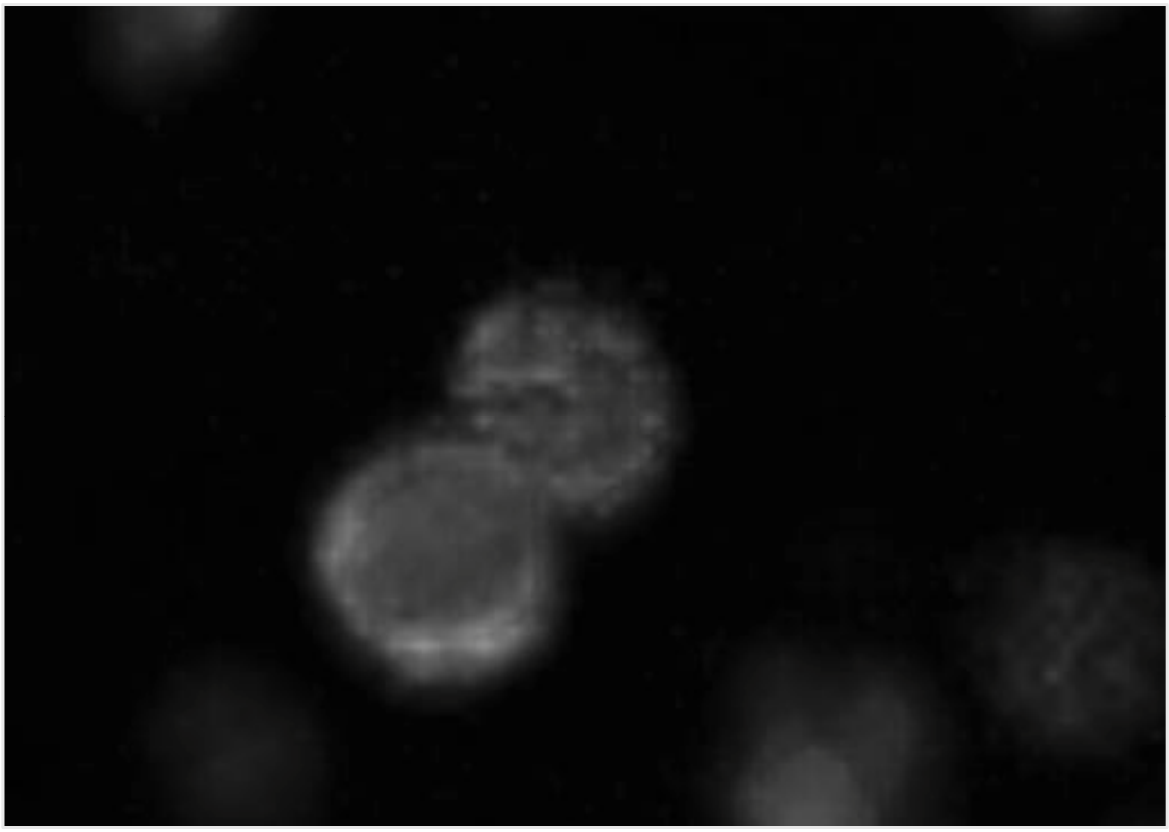


FIGURE 4D

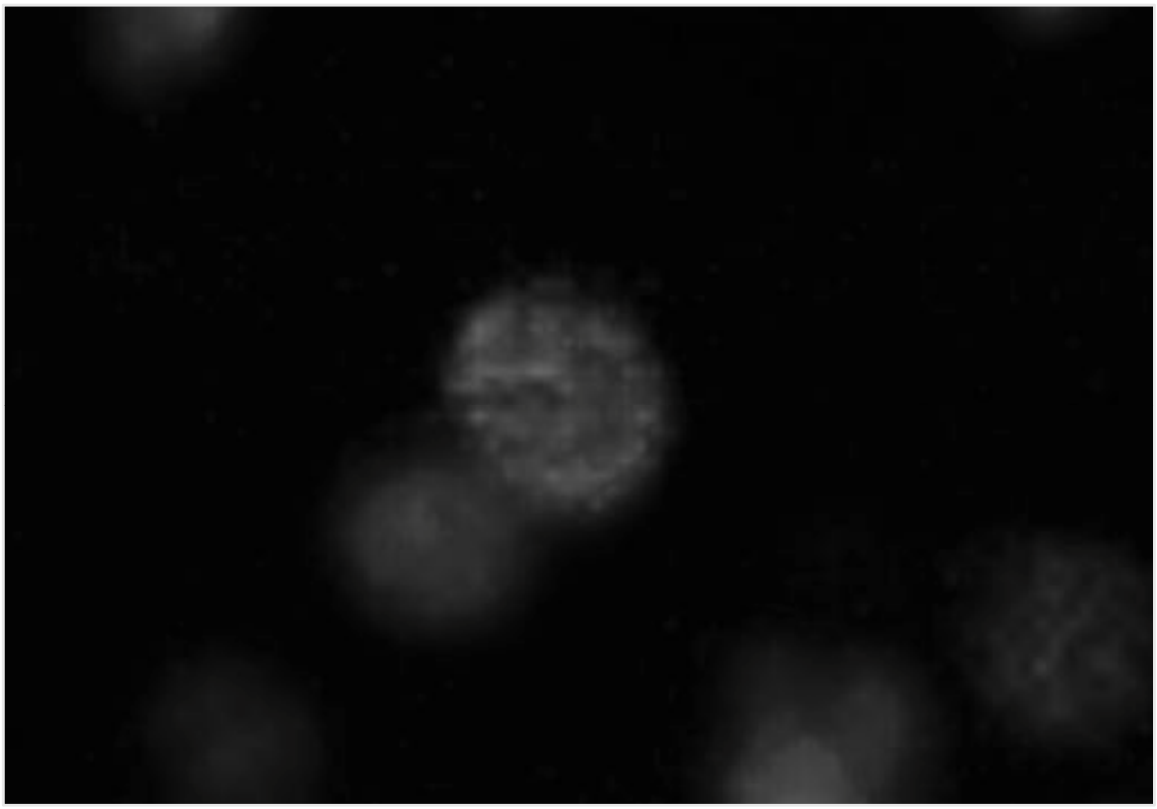


FIGURE 5A

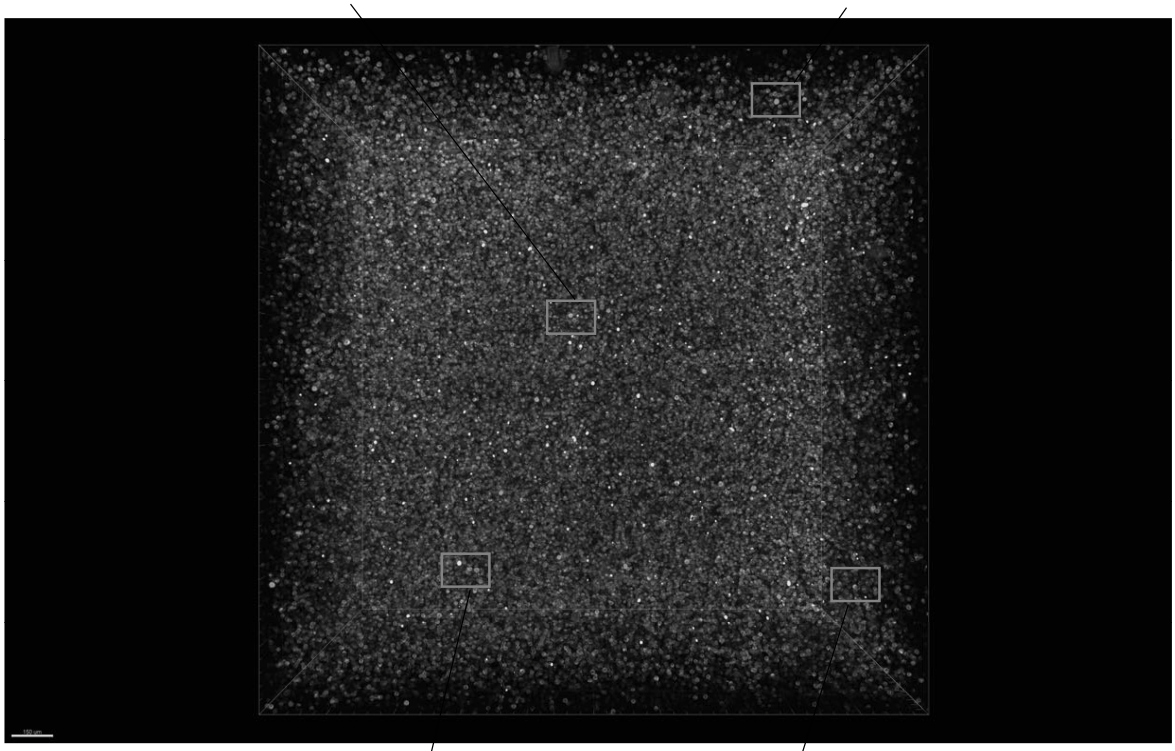


FIGURE 5B

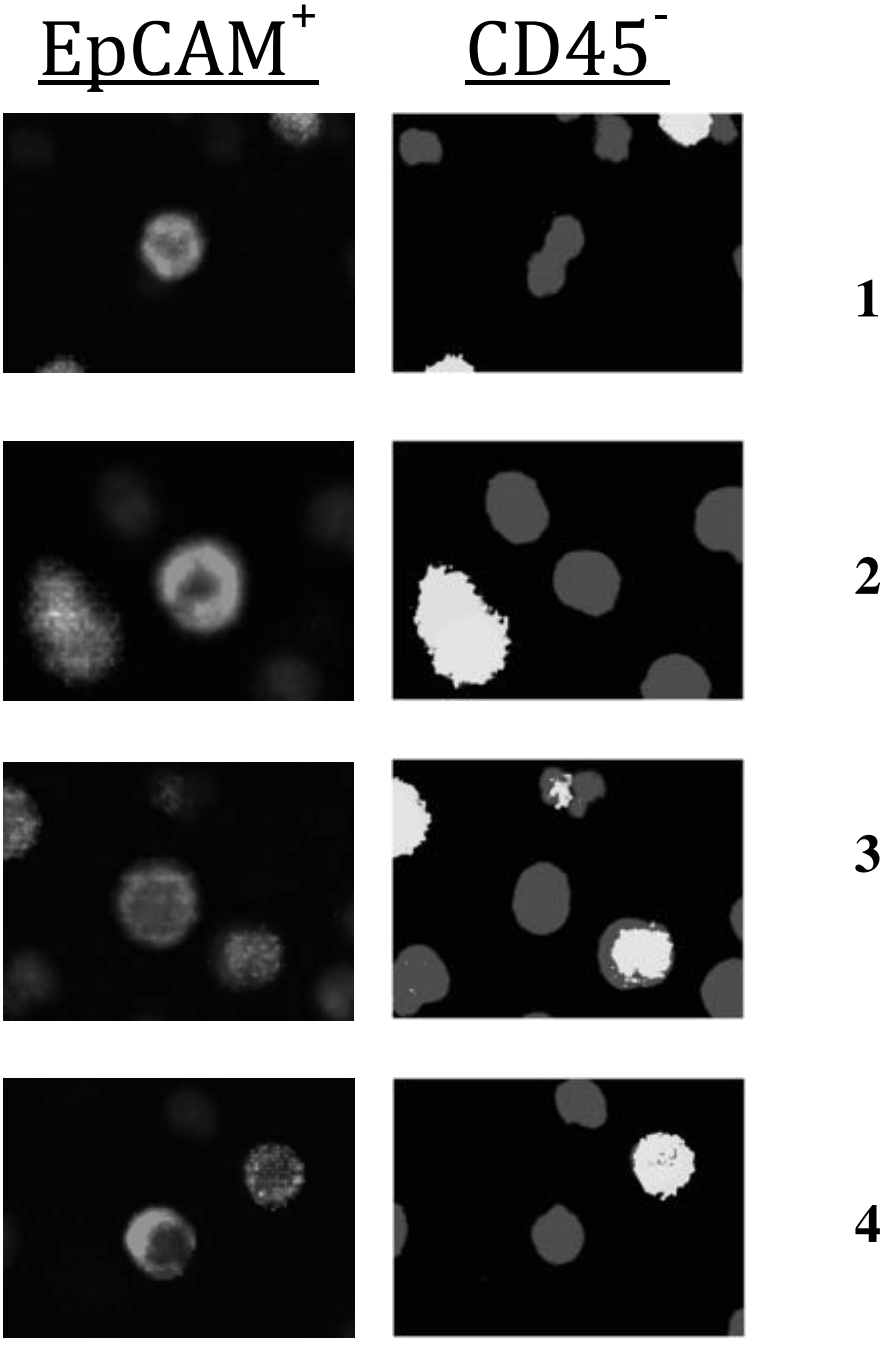


FIGURE 6A

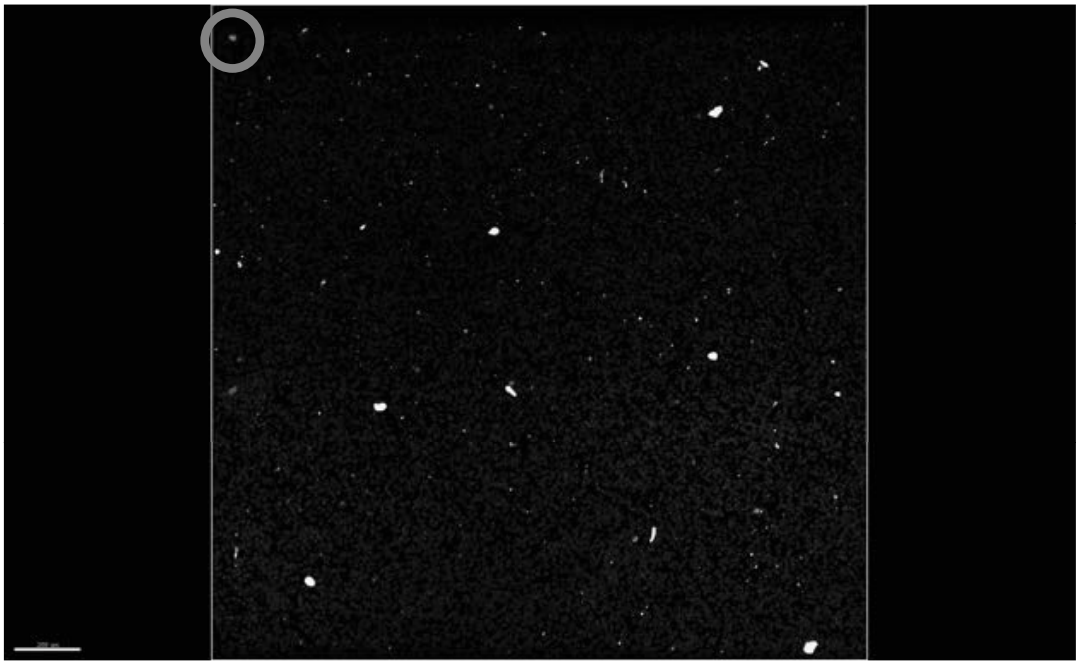
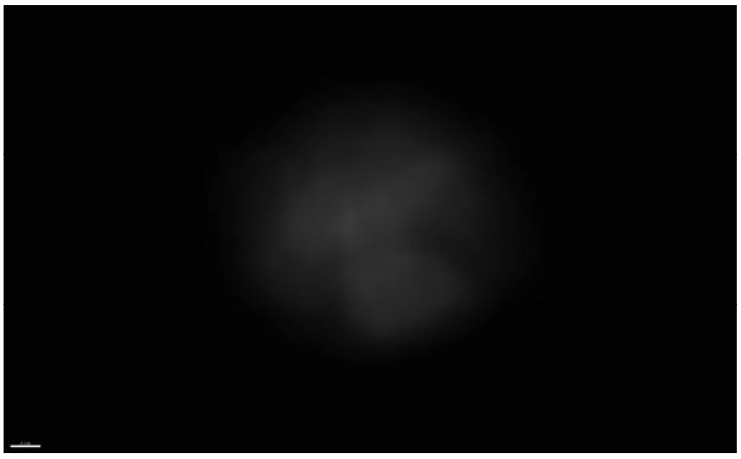




FIGURE 6B

EpCAM



CK20



PI

