GeoMx Digital Spatial Profiler (DSP) Protocol - University of Minnesota TMCs V.1

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Cellular Senescence Network (SenNet) Method Development Community

UMN SenNet

Allie Pybas
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VERSION 1

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ABSTRACT

The nanoString GeoMx® Digital Spatial Profiler (DSP) is a platform that allows high-plex profiling at the protein and RNA level, providing spatial and temporal assessment of tumors in frozen or formalin-fixed paraffin-embedded limited tissue sample.

The following protocols/manuals were used at the University of Minnesota TMCs in collaboration with the University of Minnesota Genomics Center.

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

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Slide Preparation

1 GeoMx DSP Manual Slide Preparation User Manual

MAN-10150-01.pdf 2.6MB

ROI Acquisition

2 GeoMx DSP Instrument User Manual

MAN-10152-01.pdf 6.1MB

Library Preparation

3 GeoMx DSP NGS Readout User Manual

MAN-10153-01.pdf 5.9MB

Note

Sequence with the read format 27,8,8,27

FASTQ Generation

4 BCL data from Illumina sequencer is demultiplexed and converted into FASTQ format using bcl2fastq version 2.20.0