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Version 1

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

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Cellular Senescence Net...



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Protocol status: Working

We use this protocol and it's working

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Keywords: geomx digital spatial profiler, digital spatial profiler, minnesota genomics center, plex profiling at the protein, dsp, geomx, embedded limited tissue sample, plex profiling, limited tissue sample, rna level, temporal assessment of tumor, university of minnesota tmc, rna

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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.



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