protocols.io

VERSION 2

MAR 26, 2024

🌐 GeoMx Digital Spatial Profiler (DSP) Protocol v2 - University of Minnesota TMCs V.2

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Cellular Senescence Network (SenNet) Method Development Community

UMN SenNet

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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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PROTOCOL integer ID: 97409

Slide Preparation

1   GeoMx DSP Manual Slide Preparation User Manual

 MAN-10150-04.pdf 2.7MB

ROI Acquisition

2   GeoMx DSP Instrument User Manual

 MAN-10152-04.pdf 51.3MB

Library Preparation

3   GeoMx DSP NGS Readout User Manual

 MAN-10153-04.pdf 9.2MB

> **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