Resource Summary Report

Generated by <u>NIF</u> on May 18, 2025

NanoString GeoMx Digital Spatial Profiler

RRID:SCR_021660 Type: Tool

Proper Citation

NanoString GeoMx Digital Spatial Profiler (RRID:SCR_021660)

Resource Information

URL: <u>https://www.nanostring.com/products/geomx-digital-spatial-profiler/geomx-dsp-overview/</u>

Proper Citation: NanoString GeoMx Digital Spatial Profiler (RRID:SCR_021660)

Description: Integrated commercial system comprising hardware, software and nCounter chemistry that enables simultaneous, highly multiplex spatial profiling of proteins or RNA in FFPE tissues. DSP platform quantifies abundance of protein or RNA by counting unique indexing oligonucleotides assigned to each target of interest. Used to rapidly and quantitatively assess biological implications of heterogeneity within tissue samples.

Abbreviations: GeoMx DSP

Synonyms: GeoMx Digital Spatial Profiler

Resource Type: instrument resource

Defining Citation: PMID:32393914

Keywords: Spatial profiling, proteins spatial profiling, RNA spatial profiling, NanoString, counting unique indexing oligonucleotides, tissue heterogeneity, Digital Spatial Profiler, instrument, equipment, USEDit

Funding:

Availability: Restricted

Resource Name: NanoString GeoMx Digital Spatial Profiler

Resource ID: SCR_021660

Record Creation Time: 20220129T080356+0000

Record Last Update: 20250420T015131+0000

Ratings and Alerts

No rating or validation information has been found for NanoString GeoMx Digital Spatial Profiler.

No alerts have been found for NanoString GeoMx Digital Spatial Profiler.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

Kim S, et al. (2025) Remodeling of tumor microenvironments by EGFR tyrosine kinase inhibitors in EGFR-mutant non-small cell lung cancer. iScience, 28(2), 111736.

Yamaguchi J, et al. (2024) PIK3CA inhibition in models of proliferative glomerulonephritis and lupus nephritis. The Journal of clinical investigation, 134(15).

Rademacher K, et al. (2024) Chronic hyperactivation of midbrain dopamine neurons causes preferential dopamine neuron degeneration. bioRxiv : the preprint server for biology.

Arbore G, et al. (2023) Preexisting Immunity Drives the Response to Neoadjuvant Chemotherapy in Esophageal Adenocarcinoma. Cancer research, 83(17), 2873.

El Shami M, et al. (2023) Human plasma-like medium facilitates metabolic tracing and enables upregulation of immune signaling pathways in glioblastoma explants. bioRxiv : the preprint server for biology.

Polverino F, et al. (2022) Similar programmed death ligand 1 (PD-L1) expression profile in patients with mild COPD and lung cancer. Scientific reports, 12(1), 22402.

Fisher NC, et al. (2022) Biological Misinterpretation of Transcriptional Signatures in Tumor Samples Can Unknowingly Undermine Mechanistic Understanding and Faithful Alignment with Preclinical Data. Clinical cancer research : an official journal of the American Association for Cancer Research, 28(18), 4056.

Wang Y, et al. (2022) Spatial Transcriptomic Analysis of Ovarian Cancer Precursors Reveals Reactivation of IGFBP2 during Pathogenesis. Cancer research, 82(24), 4528.

Brohl AS, et al. (2021) Immuno-transcriptomic profiling of extracranial pediatric solid malignancies. Cell reports, 37(8), 110047.