

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 5, 2026

Constant distance Mode Nanospray Desorption Electrospray Ionization Mass Spectrometry

RRID:SCR_017130

Type: Tool

Proper Citation

Constant distance Mode Nanospray Desorption Electrospray Ionization Mass Spectrometry (RRID:SCR_017130)

Resource Information

URL: <https://pubs.acs.org/doi/10.1021/acs.analchem.6b03293>

Proper Citation: Constant distance Mode Nanospray Desorption Electrospray Ionization Mass Spectrometry (RRID:SCR_017130)

Description: System to extend constant distance mode mass spectrometry imaging using nanospray desorption electrospray ionization by integrating shear force probe with nano DESI probe to improve imaging capabilities. Used for imaging biological samples of complex topography in their native states. Enables ambient imaging of biological samples with high sensitivity and minimal sample pretreatment.

Abbreviations: nano-DESI MSI

Synonyms: constant-mode nano-DESI MSI

Resource Type: instrument resource

Defining Citation: [PMID:27973782](#)

Keywords: extend, constant, distance, mode, mass, spectrometry, imaging, nanospray, electrospray, ionization, probe, DESI, topography, native, state

Funding: DOE Office of Biological and Environmental Research

Resource Name: Constant distance Mode Nanospray Desorption Electrospray Ionization Mass Spectrometry

Resource ID: SCR_017130

Record Creation Time: 20220129T080333+0000

Record Last Update: 20260801T190603+0000

Ratings and Alerts

- Used for high resolution mass spectrometry by the Human Islet Research Network community. Contact(s): [Jennifer Kyle](#), [Kristin Burnum-Johnson](#), [Lori Sussel](#), [Charles Ansong](#), [Julia Laskin](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for Constant distance Mode Nanospray Desorption Electrospray Ionization Mass Spectrometry.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.