

Resource Summary Report

Generated by SPARC SAWG on Aug 9, 2026

Analyze Spheroid Cell Invasion In 3D Matrix

RRID:SCR_021204

Type: Tool

Proper Citation

Analyze Spheroid Cell Invasion In 3D Matrix (RRID:SCR_021204)

Resource Information

URL:

https://github.com/MontpellierRessourcesImagerie/imagej_macros_and_scripts/wiki/Analyze-Spheroid-Cell-Invasion-In-3D-Matrix

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Description: Software tool to measure area of invading spheroid in 3D cell invasion assay. Can also count and measure area of nuclei within spheroid.

Abbreviations: ASCI

Resource Type: segmentation software, image analysis software, software resource, software application, 2d time-series analysis software, data analysis software, time-series analysis software, data processing software

Keywords: 3D cell invasion assay, spheroid area measurement, invading spheroid, nuclei, cell, invasion, spheroid, cell motility, cancer

Availability: Free, Available for download, Freely available

Resource Name: Analyze Spheroid Cell Invasion In 3D Matrix

Resource ID: SCR_021204

Old URLs: http://dev.mri.cnrs.fr/projects/imagej-macros/wiki/Analyze_Spheroid_Cell_Invasion_In_3D_Matrix

License: MIT License

Record Creation Time: 20220129T080354+0000

Record Last Update: 20260808T190209+0000

Ratings and Alerts

No rating or validation information has been found for Analyze Spheroid Cell Invasion In 3D Matrix.

No alerts have been found for Analyze Spheroid Cell Invasion In 3D Matrix.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Menshikh K, et al. (2024) Bifunctional mesoporous glasses for bone tissue engineering: Biological effects of doping with cerium and polyphenols in 2D and 3D in vitro models. Biomaterials and biosystems, 14, 100095.

Moura DS, et al. (2024) HMGA1 regulates trabectedin sensitivity in advanced soft-tissue sarcoma (STS): A Spanish Group for Research on Sarcomas (GEIS) study. Cellular and molecular life sciences : CMLS, 81(1), 219.

Rodrigues DB, et al. (2024) Generation of 3D melanoma models using an assembloid-based approach. Acta biomaterialia, 178, 93.

Quinteira R, et al. (2024) Decellularized kidney extracellular matrix-based hydrogels for renal tissue engineering. Acta biomaterialia, 180, 295.

Mondaza-Hernandez JL, et al. (2022) ISG15 as a prognostic biomarker in solitary fibrous tumour. Cellular and molecular life sciences : CMLS, 79(8), 434.

Domingues CP, et al. (2012) Model-derived dispersal pathways from multiple source populations explain variability of invertebrate larval supply. PloS one, 7(4), e35794.