Isolation and detection of circulating tumour cells from using a slanted spiral microfluidic device

Oncotarget 8, 67355-67368 DOI: 10.18632/oncotarget.18641

Citation Report

#	Article	IF	CITATIONS
1	Melanoma: Genetic Abnormalities, Tumor Progression, Clonal Evolution and Tumor Initiating Cells. Medical Sciences (Basel, Switzerland), 2017, 5, 28.	1.3	22
2	Melanoma circulating tumor cells: Benefits and challenges required for clinical application. Cancer Letters, 2018, 424, 1-8.	3.2	38
3	Detection of ABCB5 tumour antigen-specific CD8+ T cells in melanoma patients and implications for immunotherapy. Clinical and Experimental Immunology, 2017, 191, 74-83.	1.1	5
4	Cancer Stem Cells, Bone and Tumor Microenvironment: Key Players in Bone Metastases. Cancers, 2018, 10, 56.	1.7	33
5	A flow-through microfluidic system for the detection of circulating melanoma cells. Biosensors and Bioelectronics, 2019, 142, 111522.	5.3	18
6	Capture of Circulating Tumour Cell Clusters Using Straight Microfluidic Chips. Cancers, 2019, 11, 89.	1.7	75
7	Spiral Inertial Microfluidics for Cell Separation and Biomedical Applications. Bioanalysis, 2019, , 99-150.	0.1	24
8	Phenotypic Characterization of Circulating Lung Cancer Cells for Clinically Actionable Targets. Cancers, 2019, 11, 380.	1.7	33
9	Immunomagnetic-Enriched Subpopulations of Melanoma Circulating Tumour Cells (CTCs) Exhibit Distinct Transcriptome Profiles. Cancers, 2019, 11, 157.	1.7	16
10	Immunomagnetic isolation of circulating melanoma cells and detection of PD-L1 status. PLoS ONE, 2019, 14, e0211866.	1.1	16
11	The label-free separation and culture of tumor cells in a microfluidic biochip. Analyst, The, 2020, 145, 1706-1715.	1.7	27
12	PD-L1 Expression on Circulating Tumor Cells May Be Predictive of Response to Pembrolizumab in Advanced Melanoma: Results from a Pilot Study. Oncologist, 2020, 25, e520-e527.	1.9	54
13	Dualâ€Isolation and Profiling of Circulating Tumor Cells and Cancer Exosomes from Blood Samples with Melanoma Using Immunoaffinityâ€Based Microfluidic Interfaces. Advanced Science, 2020, 7, 2001581.	5.6	53
14	Immunomagnetic separation of circulating tumor cells with microfluidic chips and their clinical applications. Biomicrofluidics, 2020, 14, 041502.	1.2	8
15	Application of microfluidic technology in cancer research and therapy. Advances in Clinical Chemistry, 2020, 99, 193-235.	1.8	8
16	The Use of Three-Dimensional DNA Fluorescent In Situ Hybridization (3D DNA FISH) for the Detection of Anaplastic Lymphoma Kinase (ALK) in Non-Small Cell Lung Cancer (NSCLC) Circulating Tumor Cells. Cells, 2020, 9, 1465.	1.8	14
17	Melanoma in the Eyes of Mechanobiology. Frontiers in Cell and Developmental Biology, 2020, 8, 54.	1.8	18
18	Detection and prognostic role of heterogeneous populations of melanoma circulating tumour cells. British Journal of Cancer, 2020, 122, 1059-1067.	2.9	41

#	Article	IF	CITATIONS
19	3D Printing of Inertial Microfluidic Devices. Scientific Reports, 2020, 10, 5929.	1.6	121
20	Clinical Relevance of Liquid Biopsy in Melanoma and Merkel Cell Carcinoma. Cancers, 2020, 12, 960.	1.7	25
21	Preâ€analytical factors affecting the establishment of a single tube assay for multiparameter liquid biopsy detection in melanoma patients. Molecular Oncology, 2020, 14, 1001-1015.	2.1	19
22	Dual-procedural separation of CTCs in cutaneous melanoma provides useful information for both molecular diagnosis and prognosis. Therapeutic Advances in Medical Oncology, 2020, 12, 175883592090541.	1.4	10
23	Transcript-Based Detection of Circulating Melanoma Cells. Methods in Molecular Biology, 2021, 2265, 235-245.	0.4	1
24	Emerging role of circulating tumor cells in immunotherapy. Theranostics, 2021, 11, 8057-8075.	4.6	19
25	PD-L1 Detection on Circulating Melanoma Cells. Methods in Molecular Biology, 2021, 2265, 223-233.	0.4	1
26	Usefulness of monitoring circulating tumor cells as a therapeutic biomarker in melanoma with BRAF mutation. BMC Cancer, 2021, 21, 287.	1.1	13
27	Inertial Microfluidics Enabling Clinical Research. Micromachines, 2021, 12, 257.	1.4	29
28	High spatial resolution imaging of melanoma tissue by femtosecond laser-induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2021, 179, 106090.	1.5	12
29	Isolation of Circulating Tumour Cells in Patients With Glioblastoma Using Spiral Microfluidic Technology – A Pilot Study. Frontiers in Oncology, 2021, 11, 681130.	1.3	15
30	Detection of Melanoma Cells in Whole Blood Samples Using Spectral Imaging and Optical Clearing. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-11.	1.9	10
31	The Isolation and Characterization of Circulating Tumor Cells from Head and Neck Cancer Patient Blood Samples Using Spiral Microfluidic Technology. Methods in Molecular Biology, 2019, 2054, 129-136.	0.4	4
32	Volume-preserving strategies to improve the mixing efficiency of serpentine micromixers. Journal of Micromechanics and Microengineering, 2020, 30, 115022.	1.5	5
33	New Advances in Liquid Biopsy Technologies for Anaplastic Lymphoma Kinase (ALK)—Positive Cancer. Cancers, 2021, 13, 5149.	1.7	10
34	Analysis of Circulating Tumour Cells in Early-Stage Uveal Melanoma: Evaluation of Tumour Marker Expression to Increase Capture. Cancers, 2021, 13, 5990.	1.7	4
35	<i>Giardia</i> purification from fecal samples using rigid spiral inertial microfluidics. Biomicrofluidics, 2022, 16, .	1.2	3
36	Promising Blood-Based Biomarkers for Melanoma: Recent Progress of Liquid Biopsy and Its Future Perspectives. Current Treatment Options in Oncology, 2022, 23, 562-577.	1.3	8

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37	Single-cell analysis of circulating tumour cells: enabling technologies and clinical applications. Trends in Biotechnology, 2022, 40, 1041-1060.	4.9	16
38	Labelâ€free enrichment of MCF7 breast cancer cells from leukocytes using continuous flow dielectrophoresis. Electrophoresis, 2022, , .	1.3	4
39	Compact and very high dose-rate plasma focus radiation sources for medical applications. Radiation Physics and Chemistry, 2022, 200, 110296.	1.4	4
40	Isolation of Circulating Tumor Cells from Seminal Fluid of Patients with Prostate Cancer Using Inertial Microfluidics. Cancers, 2022, 14, 3364.	1.7	10
41	A short review of spiral microfluidic devices with distinct cross-sectional geometries. Microfluidics and Nanofluidics, 2022, 26, .	1.0	3
42	A dynamical model of the immune system interaction in a melanoma. Communications in Nonlinear Science and Numerical Simulation, 2023, 122, 107248.	1.7	1
43	Lab-on-a-chip systems for cancer biomarker diagnosis. Journal of Pharmaceutical and Biomedical Analysis, 2023, 226, 115266.	1.4	12
44	A Spontaneous Melanoma Mouse Model Applicable for a Longitudinal Chemotherapy and Immunotherapy Study. Journal of Investigative Dermatology, 2023, 143, 2007-2018.e6.	0.3	2