



**Microfluidics for Biomedical
Innovation 2026**

Extracellular Vesicles 2026

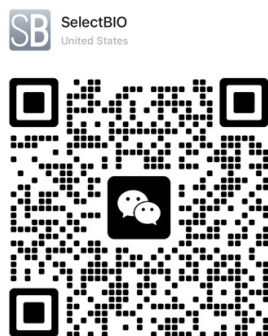
January 23-24, 2026 - Shenzhen, China

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Microfluidics for Biomedical Innovation 2026 Shenzhen Extracellular Vesicles 2026 Shenzhen

Dates: Friday, 23 January 2026 - Saturday, 24 January 2026

Location: Shenzhen, China

Conference Day 1 – Friday, 23 January 2026 – 5th Floor Ballroom

08:00 Conference Registration, Materials Pick-Up, Coffee, Tea and Networking

09:00 Chairperson's Welcome

Welcome and Introduction to the Microfluidics Conference by Conference Senior Chairperson

Tingrui Pan, Yangtze River Chair Professor, University of Science and Technology of China, China

09:10 Chairperson's Welcome

Welcome and Introduction to the Microfluidics Conference by Conference Senior Chairperson

Hsueh-Chia Chang, Bayer Professor of Chemical and Biomolecular Engineering, University of Notre Dame, United States of America; Co-Founder & CTO, Aopia Biosciences

Session Title: Conference Opening Plenary Session

09:20 Plenary Presentation

Next-Generation Microfluidic Biosensing: Integrating LSPR, Synthetic Receptors, and Functionalized 3D-Printed Platforms

Amy Shen, Professor and Provost, Okinawa Institute of Science and Technology Graduate University (OIST), Japan

09:50 Plenary Presentation

Liquid Metal based Microfluidic Wearable Sensors for Biomedical Applications

Chwee Teck Lim, NUSS Chair Professor, National University of Singapore

10:20 Plenary Presentation

Size-Based Quantification of Extracellular Vesicles and Viruses in Untreated Plasma/Urine by Brownian Rotation of Immuno-Janus Particles

Hsueh-Chia Chang, Bayer Professor of Chemical and Biomolecular Engineering, University of Notre Dame, United States of America

10:50 Mid-Morning Coffee and Tea Break and Networking with the Exhibitors

11:20 Plenary Presentation

Extracellular Vesicles (EVs): Biomarkers for Cardiovascular Disease

Dominique PV de Kleijn, Professor Experimental Vascular Surgery, Professor Netherlands Heart Institute, University Medical Center Utrecht, The Netherlands

11:50 Plenary Presentation

MSC Exosomes in Disease Modulation: Immunity as the Common Denominator

Sai Kiang Lim, Research Director, Paracrine Therapeutics, Singapore; Associate Research Professor, National University of Singapore

12:20 Plenary Presentation

Real-time Microfluidic Devices for Healthcare – Innovative Monitoring of Premature Babies in the NICU

Martyn Boutelle, Professor of Biomedical Sensors Engineering, Imperial College London, United Kingdom

12:50 Networking Lunch – Engage with Colleagues and Meet the Sponsors and Exhibitors

Session Title: Innovations in Microfluidics, circa 2026

Session Chairperson: Professor Tingrui Pan, Yangtze River Chair Professor, University of Science and Technology of China

Venue: 5th Floor Ballroom

14:00 Building Microfluidic Organs-on-chip for Translational Biomedical Innovations

Lorena Diéguez, Leader of the Medical Devices Research Group, INL-International Iberian Nanotechnology Laboratory, Portugal

14:30 Microneedle Patch-based Interstitial Fluid Rapid Analysis and Skin Wound pH Monitoring

Xueji Zhang, National Chair Professor, Vice Chairman of Shenzhen University, China - Conference Co-Chair

**15:00 Technology Spotlight Presentation
How to Choose Between Maskless and Mask-based Photolithography?**

Anatole Heliot, Kloé, France



15:30 Mid Afternoon Coffee and Tea Break and Networking with the Exhibitors

Session Title: Innovations in Extracellular Vesicles Research, circa 2026

Session Chairperson: Professor Hsueh-Chia Chang, Bayer Professor of Chemical and Biomolecular Engineering, University of Notre Dame, United States of America

Venue: 5th Floor Ballroom

16:00 Biosensors Integrated Cell/Organoid Devices

Chenzhong Li, XQ Deng Presidential Chair Professor, Department of Biomedical Engineering, Chinese University of Hong Kong [Shenzhen], China

16:30 Intracellular Calcium Modulation via High Frequency Cell Mechanostimulation for Enhancing Exosome Production

Leslie Yeo, Distinguished Professor, Royal Melbourne Institute of Technology (RMIT), Australia; Chief Editor, Biomicrofluidics

**17:00 Technology Spotlight Presentation
EXODUS: Innovative Technique for Automatic Isolation of Extracellular Vesicles and its Diverse Applications**

Lulu Zhang, Application Scientist, EXODUS BIO, China



**17:30 Technology Spotlight Presentation
ZetaView® Evolution – State of the Art NTA Analysis Tool with Bionanoparticles in Focus**

Rosa Elena Jerlerud Pérez, International Sales Manager, Particle Metrix GmbH, Germany



18:00 Evening Networking Reception in the Exhibit Hall and Poster Session

19:00 Close of Day 1 of the Conference Programming



Track Name: Microfluidics for Biomedical Innovation 2026 Shenzhen

Conference Day 2 – Saturday, 24 January 2026 – 6th Floor Ballroom

08:00 Morning Coffee, Tea and Networking in the Exhibit Hall

09:00 **Electrokinetic Separation of Extracellular Vesicles**

Yang Bu, Research Fellow, Department of Electronic and Computer Engineering,
Hong Kong University of Science and Technology, Hong Kong

09:30 **Presentation Details to be Confirmed**

10:00 **Technology Spotlight Presentation**
NexaDroplet™: A Picoliter-level Microdroplet
Dispensing Platform from Prototyping to
Production



Rae (Ruishu) Cao, Marketing & Sales Director, NexaLab Team, Singapore

10:30 Mid-Morning Coffee Break and Networking with Exhibitors

11:00 **Integrated Microfluidic Multi-organ-on-a-chip Systems with Multimodal Analysis**

Liang Zhao, Associate Professor, Beijing University of Technology, China

11:30 **Combinational Prodrug Nanotherapy Validated in a Brain Organoid Model of Alzheimer's Disease**

Dong-pyo Kim, Professor, Harbin Institute of Technology-Shenzhen, China

12:00 **Microfluidics for Organoid Array Assays via 3D Printing**

Xiannian Zhang, Associate Professor, Capital Medical University, China

12:30 Networking Lunch -- Engage with Colleagues and Meet the Sponsors and Exhibitors and Posters

- 14:00 **Keynote Presentation**
Current Research Status and Application Prospects of Neuron-on-a-Chip
Jie Chen, Founding Dean of the School of Biomedical Engineering at Fudan University, China
- 14:30 **Microfluidic Devices for Bioparticle Separation and Detection**
Yong Zhang, Chair Professor & Head, Department of Biomedical Engineering, City University of Hong Kong (CityUHK), Hong Kong
- 15:00 **Intelligent Closed-Loop Platforms for Sensing and Treatment of Status Epilepticus**
Fang Yang, Professor, Southeast University, China
- 15:30 **AI-Driven Continuous-Flow Magnetophoretic Chip for Single-Molecule Immunoassay of Alzheimer's Disease**
Yun Hui, Associate Researcher, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, China

16:00 Late-Afternoon Tea & Coffee Break and Networking with Exhibitors

- 16:30 Tingrui Pan, Yangtze River Chair Professor, University of Science and Technology of China

****Poster Awards Announced by Professor Tingrui Pan, Professor Xueji Zhang and Professor Chenzhong Li****

Panel Discussion Chaired by Professor Tingrui Pan, Senior Conference Chairperson

17:30 Close of Conference



Track Name: Extracellular Vesicles 2026 Shenzhen

Conference Day 2 – Saturday, 24 January 2026 – 5th Floor Ballroom

08:00 Morning Coffee, Tea and Networking in the Exhibit Hall

Session Title: A Deep Dive and Focus on Extracellular Vesicles

08:30 **Engineered Extracellular Vesicles and Smart Drug Delivery**

Junge Chen, Associate Professor, Beihang University, China

09:00 **Chairperson's Presentation**

Extracellular Vesicle Diagnostics

Hsueh-Chia Chang, Bayer Professor of Chemical and Biomolecular Engineering, University of Notre Dame, United States of America; Co-Founder & CTO, Aopia Biosciences -- Conference Senior Chairperson

09:30 **Keynote Presentation**

Bacterial Extracellular Vesicles: Research Approaches and Translational Value in Diagnostics and Therapy

Lei Zheng, Professor of Medicine, Vice President, Nanfang Hospital Southern Medical University, China; Vice President, Chinese Society for Extracellular Vesicles, China -- Conference Co-Chairperson

10:00 **Technology Spotlight Presentation**

Breaking Through Resolution Barriers with ONI Super Resolution Microscopy

Alison Fujii, Field Application Scientist, ONI, United States of America



10:30 Mid-Morning Coffee and Tea Break and Networking in the Exhibit Hall

11:00 Keynote Presentation – Title to be Confirmed

Hang Hubert Yin, Professor, Tsinghua University, China

11:30 AI-Driven Dual-Action Extracellular Vesicle Therapy for Osteoarthritis: Toward Precision Cartilage Regeneration

Hsiu-Jung Liao, Researcher, Department of Medical Research, Far Eastern Memorial Hospital, Assistant Professor, Institute of Biopharmaceutical Science, National Yang-Ming University, Taipei

12:00 Development of Urinary Exosome-based Diagnosis for Urogenital Diseases

Haifang Yin, Professor, Head of Medical Technology Division, Tianjin Medical University, China

12:30 Networking Lunch - Meet Colleagues and Engage with Exhibitors

13:30 Functional mRNA-Encapsulating Extracellular Vesicles for Biomedical Applications

Chi-Ying Huang, Distinguished Professor and Dean, Sciences in Institute of Biopharmaceutical Sciences, College of Pharmaceutical Sciences, National Yang Ming Chiao Tung University, Taipei

14:00 Decoding Extracellular Vesicle Cargoes for Biomarker Discovery in Neurological Disorders and HIV Infection

Yiyao Huang, Research Scientist, Nanfang Hospital, Southern Medical University, China - Conference Co-Chair

14:30 The Impact of Extracellular Vesicles on Therapeutics and Diagnostics in Hepatocellular Carcinoma

Judy Yam, Professor, The University of Hong Kong; Associate Editor, JEV

15:00 Mid-Afternoon Coffee and Tea Break and Networking in the Exhibit Hall

15:30 Advancing Extracellular Vesicle Analysis: Nano-Flow Cytometry for Fundamental Research and Biomedical Applications

Xiaomei Yan, Distinguished Professor, Xiamen University, China; Co-Founder of NanoFCM, Inc.

16:00 Envelope Protein on the Surface of Flavivirus Infection-Derived Extracellular Vesicles Displays Antigenic Landscape Similar to Virions

Gang Long, Professor, Fudan University, China

16:30 Circulating Extracellular Vesicles Drive Neuronal Amyloid- β Production in Alzheimer's Disease

Zhigang Li, Associate Professor, Seventh Affiliated Hospital, Sun Yat-sen University, China

17:00 Extracellular Vesicle Mediated Immune Response in Renal Disease: From Bulk to Single Vesicles

Linli Lv, Professor, Institute of Nephrology, Southeast University, China

17:30 Characterization of Extracellular Vesicles Released from Prochlorococcus MED4 at the Steady State and Under a Light-dark Cycle

Yusong Guo, Associate Professor, Division of Life Science, Hong Kong University of Science and Technology

18:00 Efficacy of Hypoxia-Conditioned MSCs and Their Extracellular Vesicles in Rat Models of Alzheimer's Disease and Spinal Cord Injury

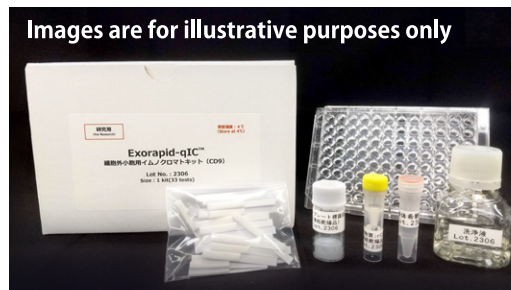
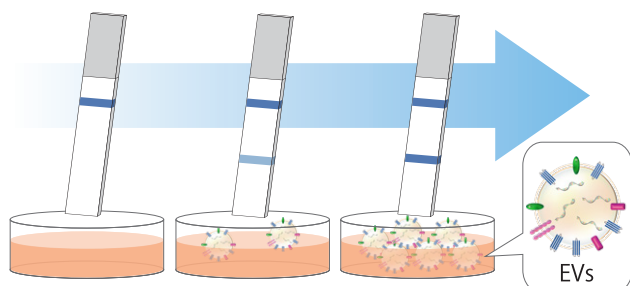
Nguyen Thanh Liem, Director of Vinmec Research Institute of Stem cell and Gene Technology, VinUniversity, Vietnam

18:30 Close of Conference

Exorapid-qIC

Immunochromatography Kit for Extracellular Vesicles

Quantify EVs by Color Intensity

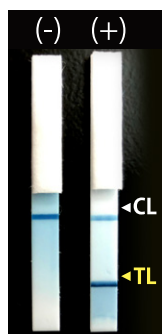
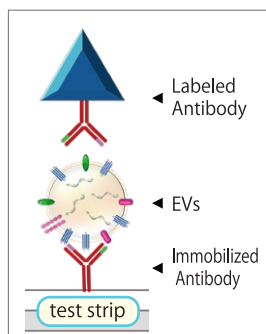


Product Abbreviation	Product Number	Size
Exorapid-qIC for CD9	DNT-EXO-K01	1 KIT (40test)
Exorapid-qIC for CD63	DNT-EXO-K02	1 KIT (40test)
Exorapid-qIC for CD81	DNT-EXO-K03	1 KIT (40test)
Exorapid-qIC for CD9, CD63, CD81	DNT-EXO-K123	1 KIT (6test×3)

*Product lineup is subject to change.

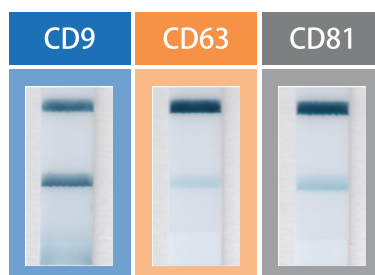
Test Method

The sample containing EVs and the labeled antibody (provided) are applied to the test strip, and the intensity of the TL (test line) is measured.

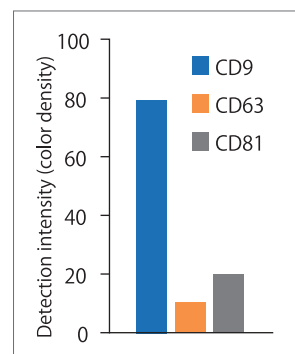


Example Test

Combine solid-phase antibody (CD9) on the test strip with labeled antibodies (CD9/CD63/CD81) to detect EVs derived from breast cancer cell line MCF7.



Immobilized antibody on test strip: CD9
Sample particle count: 5×10^5 particles



If you have any questions, please feel free to contact us at the address below!

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About technical information

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Upcoming SelectBIO Conferences in 2026

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Extracellular Vesicle Cargo and Functional Analysis Tools 2026

Dates: Sunday, March 15, 2026 – Monday, March 16, 2026 - Portland, Oregon, US

3D-BioPrinting for Microfluidics 2026

Dates: Monday, March 23, 2026 - Tuesday, March 24, 2026 - Provo, Utah, US

Next-Gen Instruments & Tools Driving EV Research 2026

Dates: Thursday, March 26, 2026 - Friday, March 27, 2026 - Denver, Colorado

Point-of-Care, Rapid Diagnostics & Lateral Flow Tests Asia 2026

Dates: Monday, April 27, 2026 - Tuesday, April 28, 2026 - Kuala Lumpur, Malaysia

Lipid Nanoparticles (LNPs) 2026

Dates: May 2026 - Cambridge, UK

Lab-on-a-Chip and Microfluidics Europe 2026

Dates: May 2026- Montpellier, France

Flow Chemistry Asia 2026

Dates: Saturday June 6, 2026 - Sunday June 7, 2026 - Shenzhen, China

Microfluidics, 3D-Printing, Point-of-Care-Rapid Diagnostics Asia Pacific 2026

Lipid Nanoparticles (LNPs) Asia/Pacific 2026

Extracellular Vesicles (EV) Asia/Pacific 2026

Space Summit Asia/Pacific 2026

Dates: Tuesday, October 13, 2026 – Wednesday, October 14, 2026 - Tokyo-Narita, Japan

Lab-on-a-Chip and Microfluidics World Congress 2026

Dates: November 2026 - California, US

Extracellular Vesicles: Technologies, Biomarker Cargo & Therapeutics Asia 2026

Dates: Thursday, December 3, 2026 – Friday, December 4, 2026 - Kuala Lumpur, Malaysia