

- From government agencies to pharmaceutical companies to universities, organizations around the world are using Advion's technology in their work.

NanoTek Microfluidic Synthesis System

Rapid Radiosynthesis of [¹⁸F]FE@SUPPLY:2 Using the NanoTek[®] Microfluidic Device

C. Philippe; J. Ungersböck; L.-K. Mien; K. Kletter; R. Dudczak; H. Viernstein; M. Mitterhauser; W. Wadsak
Poster presentation at *Radioactive Isotopes in Clinical Medicine and Research*, **January 2010**

Separation of [¹⁸F]Fluoride from [¹⁸O]Water Using Commercial Cartridges within a Microfluidic System

L.-K. Mien; J. Ungersböck; C. Philippe; K. Kletter; R. Dudczak; H. Viernstein; M. Mitterhauser; W. Wadsak
Poster presentation at *Radioactive Isotopes in Clinical Medicine and Research*, **January 2010**

Radiofluorination of Unsymmetrical Meta-substituted Diaryliodonium Salts Within a Micro-reactor

J. Chun; S. Lu; V. W. Pike
Oral presentation at the *18th International Symposium on Radiopharmaceutical Sciences*, **July 2009**

Synthesis of an MGLUR5 Radioligand, [¹⁸F]SP203B, Through Radiofluorination of a Diaryliodonium Salt Precursor

S. Telu; J. Chun; F. G. Simeon; S. Lu; V. W. Pike
Oral presentation at the *18th International Symposium on Radiopharmaceutical Sciences*, **July 2009**

Kinetics and Energetics of the Radiofluorination of Diaryliodonium Chlorides Studied with a Microfluidic Reactor

J. Chun; S. Lu; V. W. Pike
Oral presentation at the *18th International Symposium on Radiopharmaceutical Sciences*, **July 2009**

Synthesis of [¹⁸F]Xenon Difluoride from [¹⁸F] Fluoride Ion in a Coiled Silica Glass Micro-Reactor

S. Lu; Y. S. Lee; V. W. Pike
Poster presentation at the *18th International Symposium on Radiopharmaceutical Sciences*, **July 2009**

Labelling of Carbon-11 Tracers Using a Microfluidic Synthesiser

L. Brichard; F. I. Aigbirhio
Poster presentation at the *18th International Symposium on Radiopharmaceutical Sciences*, **July 2009**

Rapid [¹¹C]Methylation Reactions Using Microfluidic Technology

S. Kealey; C. Plisson; L. Martarello; N. Long; and A. Gee
Poster presentation at the *18th International Symposium on Radiopharmaceutical Sciences*, **July 2009**

Microfluidic Approach to the Synthesis of [¹⁸F]-FIAU Using an Advion NanoTek LF System

H. Anderson; N. Pillarsetty; and J. S. Lewis
Poster presentation at the *18th International Symposium on Radiopharmaceutical Sciences*, **July 2009**

2-[¹⁸F]-2-Deoxy-D-Glucose [¹⁸F]-FDG Labeling of Peptide Using Micro-fluidic Reactor

V. R. Bouvet; F. Wuest
Poster presentation at the *18th International Symposium on Radiopharmaceutical Sciences*, **July 2009**

A Microfluidic Flow Chemistry Platform for Organic Synthesis: The Hofmann Rearrangement

Palmieri, A.; Ley, S.V.; Hammond, K.; Polyzos, A.; Baxendale, I.R.
Tetrahedron Letters, In Press, Corrected Proof, Available online **February 13, 2009**.

Single-Step High-Yield Radiosynthesis and Evaluation of a Sensitive F-Labeled Ligand for Imaging Brain Peripheral Benzodiazepine Receptors with PET

Briard, E.; Zoghbi, S.S.; Simeon, F.G.; Imaizumi, M.; Gourley, H.; Shetty, H.U.; Lu, S.; Fujita, M.; Innis, R.B.; Pike, V.W.; *J. Med. Chem.*, 2009, 52 (3), **January 02, 2009**

continued...

- From government agencies to pharmaceutical companies to universities, organizations around the world are using Advion's technology in their work.

NanoTek Microfluidic Synthesis System (continued)

Synthesis of [¹⁸F]Fallypride in a Micro-Reactor: Rapid Optimization and Multiple-Production in Small Doses for Micro-PET Studies

Lu, S.; Giamis, A.M.; Pike, V.W.; *Curr. Radiopharm.*, **2009**;2(1):nihpa81093.

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Radiosynthesis of [¹⁸F]-Labelled Compounds Using a Microfluidic Automated System

Richard, L.; Giamis, A.M.; Aigbirhio, F. I.; *EANM*, **October 2008**

High Yield Synthesis of [¹⁸F] Fallypride Using a Microfluidic Automated System

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A microfluidic system for [¹¹C]CO carbonylation reactions

Smith, A.; Patton, D.; Giamis, A.M.; Matteo, J.C.; *J. Nucl. Med. Meeting Abstracts*, **May 2008**; 49:46P

Rapid optimization of the synthesis of [¹⁸F] Fallypride in a micro-reactor

Lu, S.; Giamis, A.M.; Matteo, J.C.; Pike, V.W.; *J. Nucl. Med. Meeting Abstracts*, **May 2008**; 49:46P

A novel rapid one-step synthesis of [¹⁸F]FLT using microfluidic reactor

Zeng, W.; Giamis, A.M.; Matteo, J.C.; Townsend, D.; Yu, M.; *ISRC Meeting Abstracts*, **2007**

Synthesis of [¹⁸F]setopherone using the NanoTek MinuteMan microfluidic system

Jivan, S.; Ruth, T.J.; Matteo, J.C.; O'Neil, J.P.; *ISRC Meeting Abstracts*, **2007**

High pressure flow reactor for rapid microfluidic production of PET biomarkers

Matteo, J.C.; Yu, M.; Wong-Hawkes, S.; Warrington, B.; *J. Nucl. Med. Meeting Abstracts*, **May 2006**; 47:158P

Rapid microfluidic production of PET biomarker [¹⁸F]FDG

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