

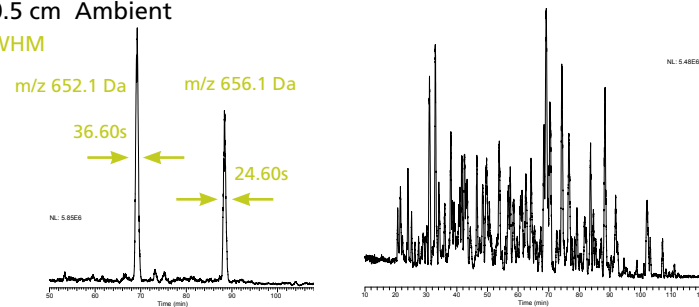
▲ PicoCHIP® Performance

All of the performance you've come to expect from New Objective columns is packed into easy-to-use PicoChip.

Base peak chromatographic separation
200ng of HeLa digest
Gradient 2% - 35% B in 120 min. at 300 nL/min.
PicoChip columns packed with Reprosil-PUR C18 3µm 120Å

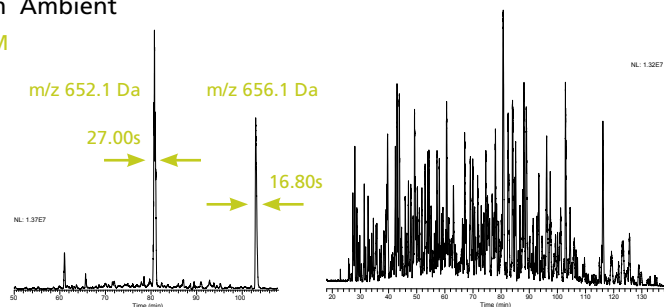
10.5 cm Ambient

FWHM



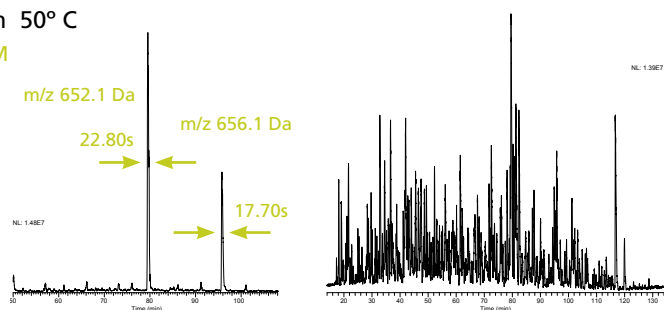
25 cm Ambient

FWHM



25 cm 50° C

FWHM



NEW OBJECTIVE

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▲ PicoCHIP®
NANOSPRAY COLUMNS

PRODUCT FAMILY 2015



What is a ▲ PicoCHIP. ?

You're already using PicoChip components! You assemble them and probably re-assemble them every day. PicoChip is factory-certified nanobore connections, a factory-verified high-voltage union, and the superior sensitivity of a PicoFrit column all packaged in a disposable, easy to use, plug and spray format.

CONVENTIONAL NANOSPRAY

- Emitter or tip
- Union
- Chromatography column
- Voltage union
- Transfer line

PICOCHIP NANOSPRAY

- PicoChip!

The industry-proven PicoFrit is a precision made PicoTip® emitter, that is factory-fritted to provide a stable base for the chromatography bed. The frit ensures that the chemistry media is distributed evenly for consistent chromatographic performance.

“We need this to be **easy to use...**

But we don't want to give up **any performance.**”

Nathan Yates
University of Pittsburgh

▲ PicoCHIP. Columns

- 75µm or 150 µm ID with 15µm tip
- Reprosil-PUR C18 3µm 120Å
- Fused-silica tail or NanoViper™-ready
- Custom-packing available
- Customize your column with color

THE ORIGINAL



PICOCHIP

- 10.5 cm column length
- Custom-packing available

LONGER COLUMN LENGTHS



PICOCHIP XL

- 15, 20 & 25cm bed lengths
- Custom-packing available

▲ PicoCHIP. Systems

NEW



Model 1PCH-565-SK
For Thermo Fusion and Quantiva
Includes PicoChip source
and 2 PicoChip columns

Model 1PCH-555-SK
For Thermo LTQ, Orbitrap,
TSQ and QExactive
Includes PicoChip source
and 2 PicoChip columns



PicoSLIDE™ Multiplex Source

NANOSPRAY SOURCE

NEW

- Turn one mass spec into three!
- 3-Column setup maximizes efficiency
- Perform wash, load and elute cycles simultaneously
- Mass spec collects data constantly
- 4th Position for tuning and calibration

RUN WITH
**95%
DUTY CYCLE**



Available for Thermo systems
Includes PicoSlide source, 3 PicoChip
columns, 1 PicoChip for infusion, and
all software

IN DEVELOPMENT

▲ PicoCHIP. Heat & Gas Enabled

COMING
SOON

- Same PicoChip column format
- Up to 25 cm bed length
- Onboard nebulizer gas
- Thermal control
- 3-Axis adjustability
- Column-to-column reproducibility
- Maximum efficiency

