

*Pack columns for LC/  
MS, load samples for  
mass spectrometry*



## Pressure Injection Cell

### Pack Your Own Capillaries - Save Money

#### KEY BENEFITS

##### ➤ SAVE MONEY

Why pay hundreds of dollars for each capillary column when you can pack them yourself? These top quality, reliable capillary loaders are the best value around.

##### ➤ GET ACCURATE RESULTS

Get better results when you pack your own columns.

##### ➤ TAKE CONTROL

Pack capillary columns exactly how and when you want them.

What's the best way to dispense small-volume liquid samples in a controlled manner? Rely on the Next Advance Pressure Injection Cell. Often called a bomb loader, the Pressure Injection Cell is invaluable for two applications:

1. densely packing nanobore capillary columns with solid-phase particles for LC/MS; and
2. precisely infusing microliter samples into mass spectrometers without additional transfers, wasted sample or contact with metallic surfaces which adsorb negatively charged molecules.

#### High Value

Get the best value on the market and no skimping on quality. Our simple and reliable product design and efficient manufacturing enable us to sell Pressure Injection Cells at a price almost **50% less** than competitors charge. We make the best product available and pass the savings along to our customers. And our Pressure Injection Cell comes with a 3-way valve, not as an add-on.

#### Quality Components

The Pressure Injection Cell is made with top quality components such as Swagelok® stainless steel fittings and valves. The body and cap of the pressure chamber are nickel coated. The simple, rugged design ensures years of trouble-free use and quality performance.

**“The pressure injection cell is really handy. I have two in my lab, one for packing capillaries and one for loading samples in my mass spec. Packing my own capillaries saves me hundreds of dollars on each one.”**

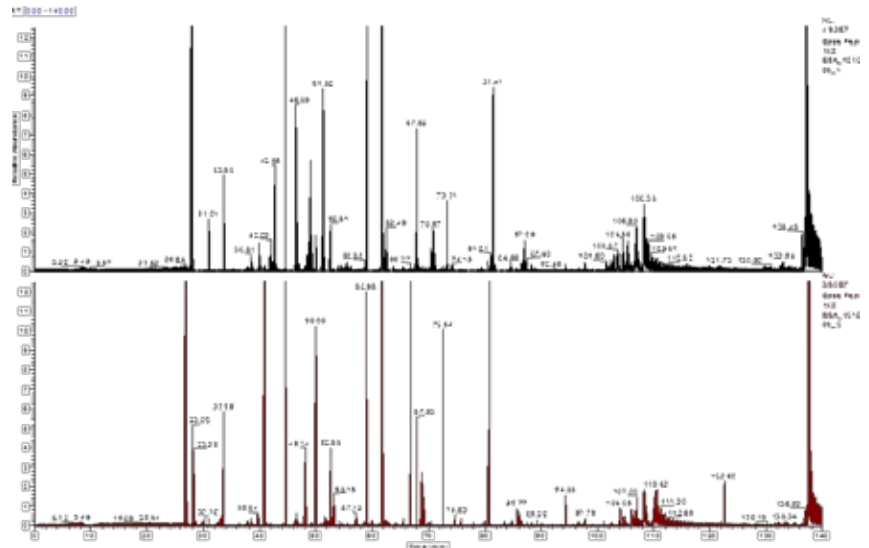
**DR. QISHAN LIN, DIRECTOR OF THE PROTEOMICS CORE FACILITY, THE CENTER FOR FUNCTIONAL GENOMICS, UNIVERSITY AT ALBANY, NEW YORK**

## FEATURES

- Use 0.5mL to 2mL microcentrifuge tubes, or 12 x 32mm vials (2 dram)
- Teflon® ferrules allow for a variety of capillary sizes.
- Hexagonal shape ensures correct alignment of quick-release cap.
- Easy access to the sample tube for loading and retrieval.
- Available with integrated magnetic stirplate.
- A complete column packing kit with pressure regulator, capillary tubing, a frit kit and stainless steel tubing is available.
- **MADE IN THE USA**

## Get Better Results

### Customers Get Better Results When They Pack Their Own Columns



**“We are very happy with the performance of our Next Advance pressure cell. Here are two representative total ion chromatograms generated from a capillary column using sub 2 micron, C18 particles and analyzed on a UPLC. As you can see the peak width is around 15 sec or less. We are getting this kind of resolution routinely from the columns packed by your pressure cell.”**

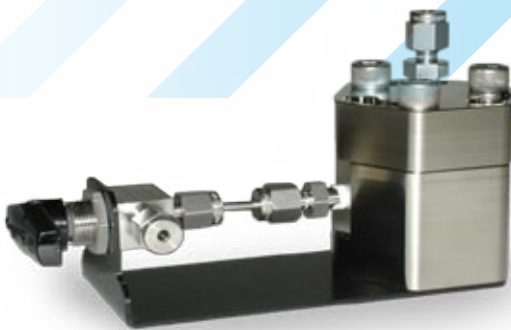
**DR. AUSTIN YANG, UNIVERSITY OF MARYLAND**

### Easy Operation

Simply place a tube or vial containing your packing media (in liquid suspension) in the base. Using our FRIT KIT, create a frit at one end of a capillary. Put the non-frit end of the capillary down through the ferrule and into the tube with the packing media. Lock down the cap and open the three way valve. Turning on the gas pressure forces the packing media to flow into your capillary. When injecting samples into a mass spectrometer, you can easily adjust the flow rate by controlling the gas pressure.

### For More Information, Contact:

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