Razor®

High-Throughput
Peptide Cleavage System

cem.com/**razor**

A simple, high-throughput, peptide cleavage system.

With the advantages of precision heated reactions, you can get better peptide purity. Now you can cleave up to 12 peptides, simultaneously, in 30 minutes or less, with greater reliability than any other method. This is high throughput cleavage.

- Cleave up to 12 peptides in parallel, at elevated temperatures
- More complete cleavage gives you better purity peptides
- Protect synthesis instrumentation from harsh cleavage reagents.

Fast: Cleave as quickly as you purify.

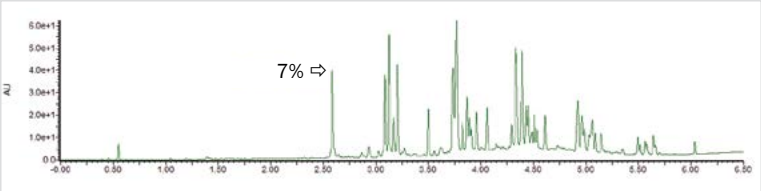
Microcleavage in as little as 2 minutes provides mass spectrometry level confidence that expensive amino acids and scale-up syntheses are coupled completely. Full cleavage in 30 minutes or less accelerates the purification work flow of your laboratory. Access purified peptides faster than any other method.

Reliable: Protect synthesis instrumentation.

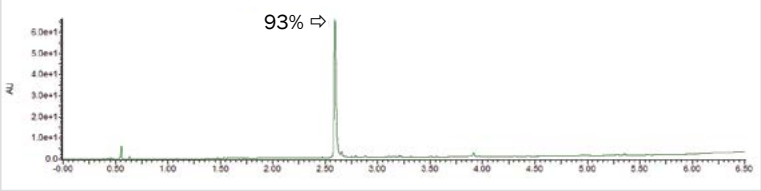
Stay running around the clock, despite harsh cleavage reagents and scavengers. The simple design of the Razor does not have a complicated valve block system, requiring expensive, technician only maintenance. Disposable vessels make clean up easy and ensure integrity of peptide purity.

Pure: Achieve better purity peptides from a more complete cleavage.

Peptide: HIV-TAT (47-57) Fmoc-YGRKKRRQRRR
Conditions: TFA/TIS/H2O/DODT (92.5/2.5/2.5/2.5)



30 minutes at room temperature



30 minutes (using Razor at 38°C)

Cleavage Results

Peptide	Purity (%)		Crude Yield	
	Conventional	Razor	Conventional	Razor
ACP (65-74)	95	96	99	99
JR 10mer	71	69	74	72
ABC 20mer	70	70	94	96

Conventional Conditions: 3 hours, room temperature
Razor Conditions: 30 minutes, 38° C