

1. Purification

Device: puriFlash® XS 420 Plus (or now puriFlash® XS 520 Plus)

Solvents: A: Water + 0.1% TFA
B: Acetonitrile + 0.1% TFA

Column: puriFlash® Monolith C18 30µm F0025 (PM-30C18-F0025)

Flow rate: 15mL/min

Injection mode: Liquid injection

Injection volume: 150µL

Crude Sample: 1.8mg

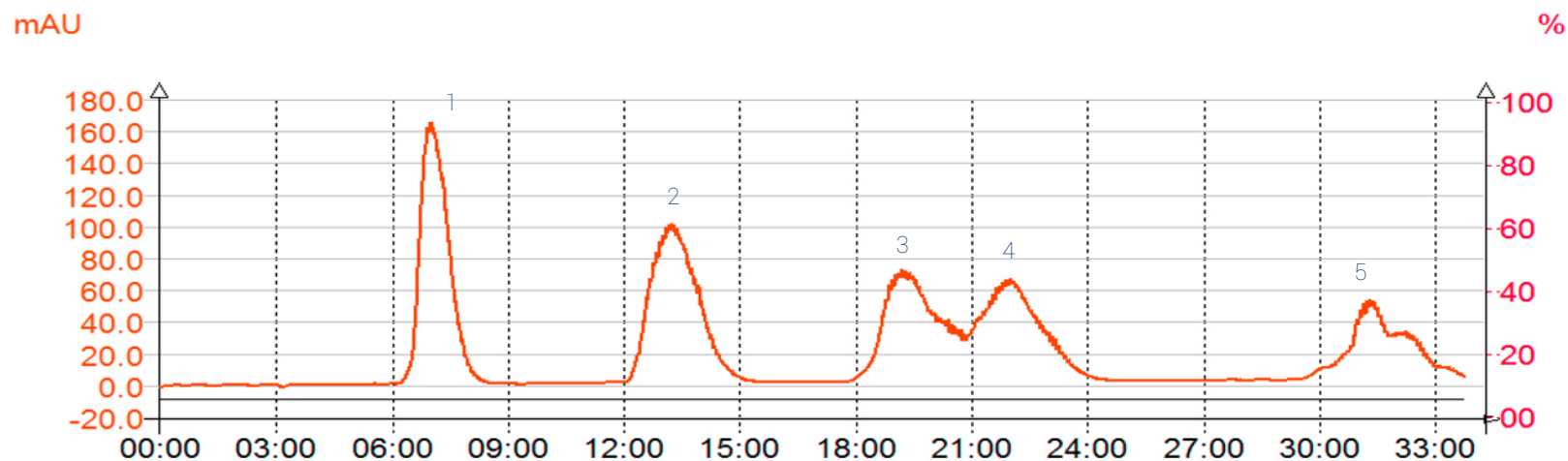
Detection: UV 215nm

Pressure: 4bar

Elution conditions:

t (min)	A (%)	B (%)
00:00	95	5
33:45	60	40

Dual pore column, peptides mixture, optimum flow rate



In this conditions, compounds 3 and 4 are co-eluted.

Compounds:

1. GLY-TYR (MW: 238 g.mol⁻¹)
2. VAL-TYR-VAL (MW: 380g.mol⁻¹)
3. Met-Enkephalin (MW: 574g.mol⁻¹)
4. Angiotensin II (MW: 1 000g.mol⁻¹)
5. Cytochrome C (MW: 11 749g.mol⁻¹)

2. Purification using stacked columns

Device: puriFlash® XS 420 Plus (or now puriFlash® XS 520 Plus)

Solvents: A: Water + 0.1% TFA

B: Acetonitrile + 0.1% TFA

Columns: puriFlash® Monolith C18 30µm F0025
(PM-30C18-F0025) x2

Flow rate: 15mL/min

Injection mode: Liquid injection

Injection volume: 150µL

Crude sample: 1.8mg

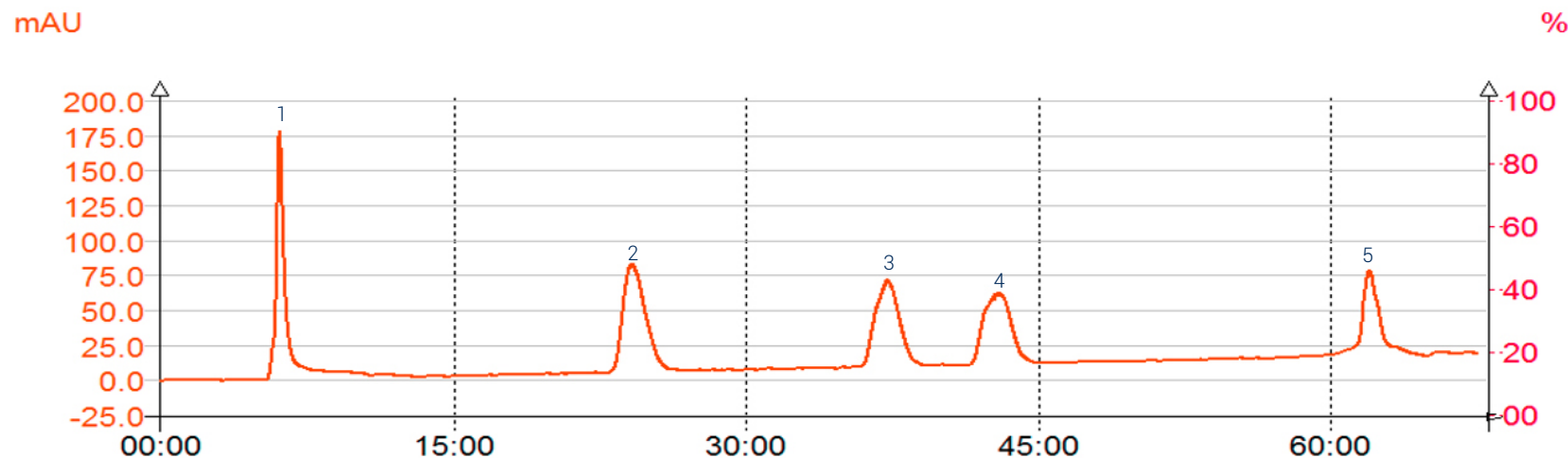
Detection: UV 215nm

Pressure: 4bar

Elution conditions:

t (min)	A (%)	B (%)
00:00:00	95	5
01:06:30	60	40

Dual pore column x2, peptides mixture, optimum flow rate



By stacked the columns, and keep same conditions, compounds 3 and 4 separated.



To achieve this purification:

You will need

- puriFlash® XS 520 Plus
[Discover it](#) [Add to card](#)
- puriFlash® column PM-30C18-F0025
[Discover it](#) [Add to card](#)

We highly recommend

- Stand alone for Flash configuration + kit
PF4530 [Add to card](#)
- Magic Box Flash
B2JCJ0 [Add to card](#)
- 16x150mm Rack
1R8600 [Add to card](#)