

FAST CENTRIFUGAL PARTITION CHROMATOGRAPH®

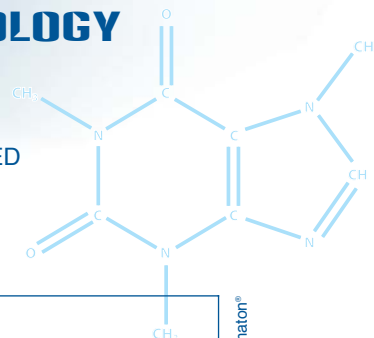


PILOT SCALE FCPC® B5000

Production instrument
for fractionation and purification
of compounds from :

- > **SYNTHETIC CHEMISTRY**
- > **BIOLOGICAL MATRICES**
- > **NATURAL PRODUCTS**
- > **BIOTECHNOLOGY**

NO SOLID SUPPORT
ZERO SAMPLE LOSS
NO EXPENSIVE SILICA REQUIRED
LOW SOLVENT CONSUMPTION
EXTREMELY VERSATILE
AQUEOUS-2-PHASE SYSTEMS AVAILABLE



TECHNICAL SPECIFICATIONS

ROTOR VOLUME	5000 ml Easy scale-up from Bench Scale FCPC®
INJECTION	Up to 150 gr / run
FLOW-RATE	Up to 150 ml / min
ROTATION SPEED	Up to 1000 rpm
MAXIMUM PRESSURE	900 psi
SEPARATION TIME	30 min to 4h
SECURITY	Automatic door lock, explosion proof motor Solvent leak detector which stops elution and rotation Independent drive station
ADDITIONALS	4 ways switch valve for normal and reversed elution Cooling system All stainless steel body

Copyright 2007 Kromaton®



KROMATON

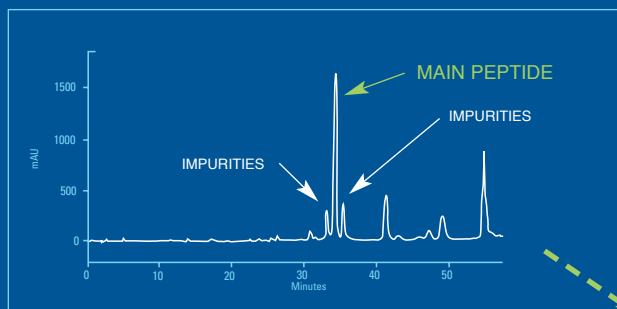
www.kromaton.com



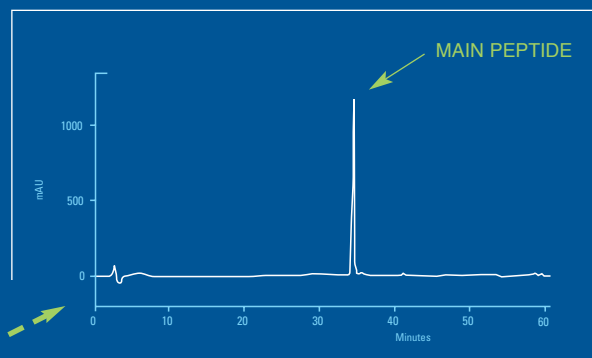
APPLICATION

Scale up on peptide purification from bench scale **FCPC® 200**
to pilot scale **FCPC® 5000**

Source : Kromaton R&D Laboratory

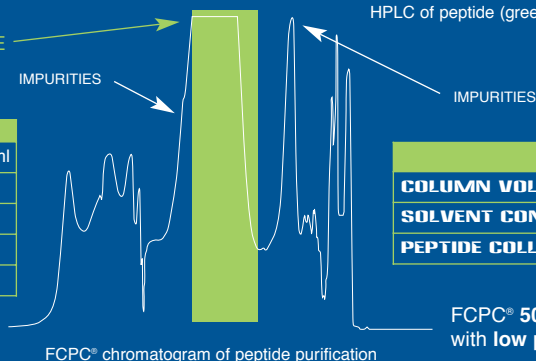


HPLC of crude mixture



HPLC of peptide (green zone) after FCPC® purification

PARAMETERS		
COLUMN VOLUME	FCPC® 200 ml	FCPC® 5000 ml
FLOW-RATE	5 ml / min	58 ml / min
ROTATION SPEED	1400 rpm	800 rpm
QUANTITY INJECTED	1 gr	25 gr
FRACTION ANALYSIS	HPLC C18 at 220 nm	



FCPC® chromatogram of peptide purification

RESULTS		
COLUMN VOLUME	FCPC® 200 ml	FCPC® 5000 ml
SOLVENT CONSUMPTION	0,7 liter	19 liters
PEPTIDE COLLECTED	220 mg at 95%	5132 mg at 90%

FCPC® 5000 allows to purify peptide from synthetic mixture with low production cost and high purity recovery

**COMPLETE
AUTOMATIC
LINE**



**FOR YOUR
PRODUCTION
NEEDS**

PUMPS (SOLVENT & SAMPLE)

UV DETECTOR

FRACTION COLLECTOR



KROMATON

FRANCE
9, RUE ALEXANDRE FLEMING
49066 ANGERS
PHONE : +33 241 77 41 48
KROMATON@KROMATON.COM

USA
448 IGNACIO BLVD. #480
NOVATO, CA 94949
WWW.KROMATON.COM
KROMATON-USA@KROMATON.COM