

PURIFICATION GLOBAL SOLUTION PROVIDER

Making your purifications easier,
efficient, and profitable

50 years of Global Liquid Chromatography Expertise



Advion Interchim
scientific

PROFITABILITY DEPENDS ON SEVERAL FACTORS:



 Loading Capacity

 Costs

 Time

 Purity

 Productivity

7 GOOD REASONS TO CHOOSE ADVION INTERCHIM SCIENTIFIC:

- 1 We exceed expectations at every level
- 2 The only purification global solution provider
- 3 Benefit from our UPFP™ concept: Ultra Performance Flash Purification
- 4 We help you achieve your goals
- 5 We support you from analytical up to pilot/process
- 6 Whatever your concerns are, we will eliminate them

➡ 7 We will increase your profitability ⬅

1. WE EXCEED EXPECTATIONS AT EVERY LEVEL



Users

- You are a beginner or an expert, the puriFlash® Genius intelligence in InterSoftX software will become your best friend to achieve your objectives. Genius is the sum of the algorithms we created that will give the best method available for your purification; like a personal assistant or AI.
- Intuitive management of our systems makes your daily work easier
- Our design and systems conception secure your purification and your own health
- 24/7 runs with confidence thanks to HPLC based technology



Lab Managers

- The cost of use is perfectly mastered
- Positive users experience will make your teams confident and happy
- Reduced sphere of use has a positive impact on your profitability
- Robust, the devices remain available full time and for long term



Purchasers

- The ratio cost vs. benefit is optimum to increase return on investment
- A single dedicated point of contact for the entire technique requirements
- Bad surprises or hidden costs aren't to be feared after the purchase

2. THE ONLY PURIFICATION GLOBAL SOLUTION PROVIDER WHO:



- Designs and manufactures best-in-class:
 - > low & high pressure instruments for small organics & biomolecules
 - > related consumables
 - > applications methodology
- Delivers Intelligent modelisation for Chromatography methods using Genius algorithms embedded in InterSoft X software.
- Offers sustainable and reliable global service and support

4. WE HELP YOU ACHIEVE YOUR GOAL, CONTINUED

Whatever purity you want to achieve, we have the perfect system for you

Did you know?

- Liquid Chromatography is a Technique of Separation based on Selectivity
- Purification by Liquid Chromatography Preparative & Flash will provide you with => Purity, Capacity & Productivity

Purity Objective	< 98%	98% < p < 99%	99*%	p>99,99%	p>99,99%	p>99,99%
Quantity to Purify	mg up to hundreds g	mg up to hundreds g	mg up to hundreds g	mg up to tens g	mg up to hundreds g	mg up to tens g
Application Type	Hit Discovery	Lead Generation	Lead Development	Peptides/Polypeptides	High efficiency required, impurity identification	Natural Products, Complex Matrix
	↓	↓	↓	↓	↓	↓
Mini Resolution needed for the critical pair	Rs < 1.0	1.0 < Rs < 1.5	Rs = 1.5	Rs > 2.0	Rs > 2.0	Rs > 2.0
Chromatograph profile type, required minimum resolution						
	↓	↓	↓	↓	↓	↓
Silica particle size needed to achieve the objective with comfort	50µm	30 µm	15 µm	10 µm - 5 µm	5 µm	3 µm
Usual Chromatographic mode	Normal Phase	Normal Phase	Normal Phase / Reverse Phase	Normal Phase / Reverse Phase	Reverse Phase	Reverse Phase
Max. Back Pressure at the optimum flow rate of the column	fews bars	10 bars	20 bars	120 bars	120 bars	200 bars
Max. Back Pressure at 2 time optimum flow rate of the column to improve productivity	Up to 15-20 bars	20 bars	40 bars	250 bars	240 bars	360 bars

Best puriFlash® selection to achieve the identified objective

puriFlash® XS520Plus

puriFlash® 5.020

puriFlash® 5.050

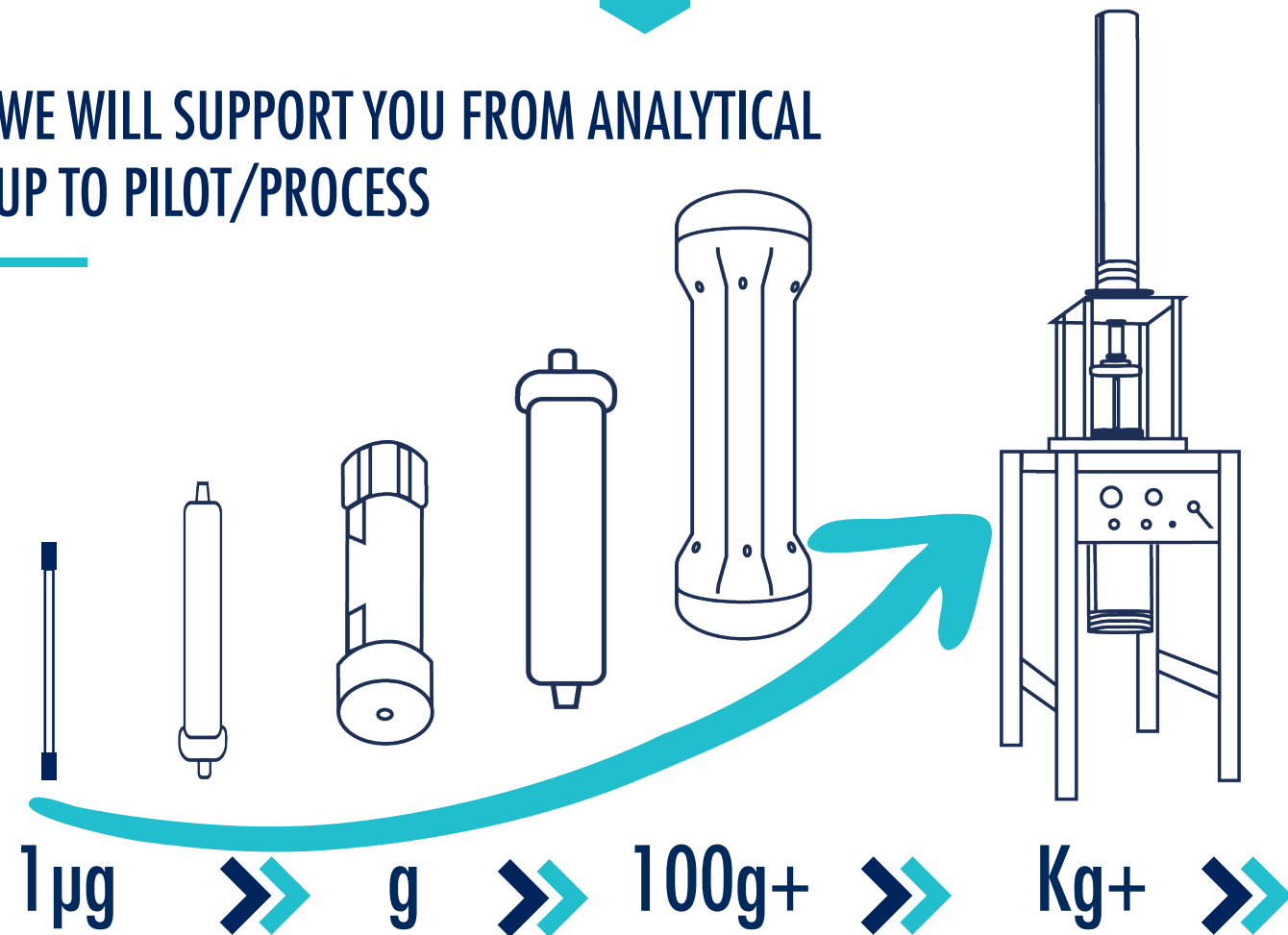
puriFlash® 2.250P

puriFlash® 5.250

puriFlash® 5.400-UV



5. WE WILL SUPPORT YOU FROM ANALYTICAL
UP TO PILOT/PROCESS



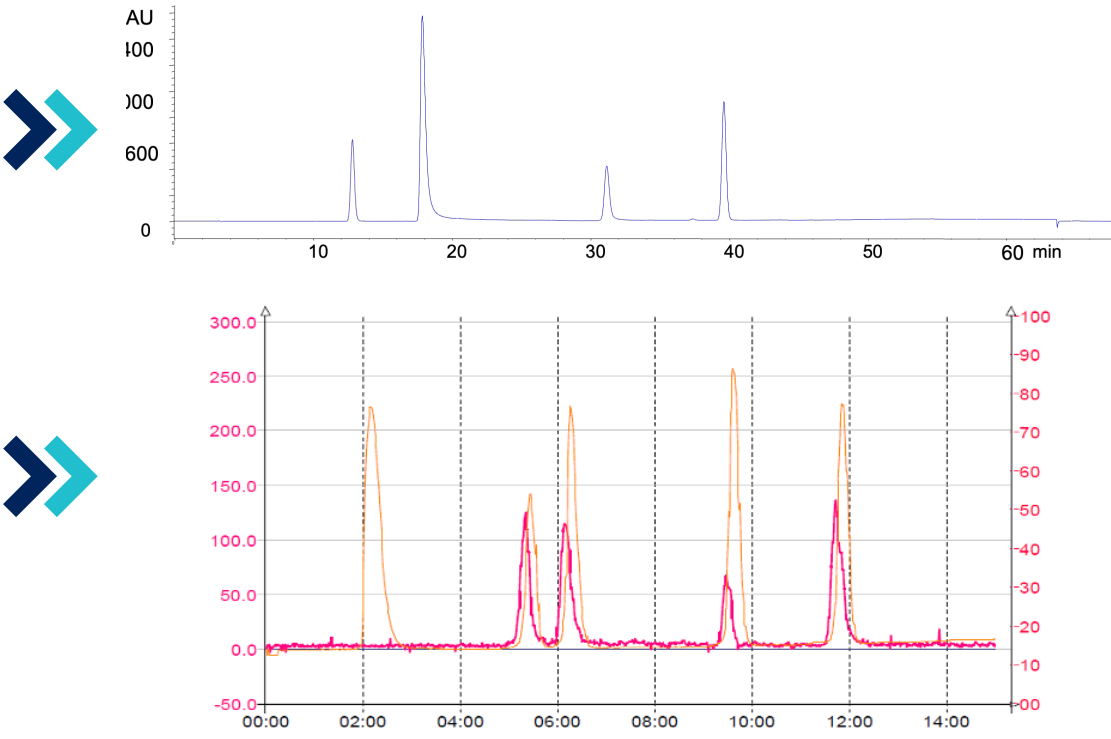
Whatever your sample,
Genius the intelligence
embedded in InterSoft® X
software will create the
best possible purification
method for you. From any
analytical experiments:
NP-TLC, NP-LC, RP-LC, let
our Genius turn it into prep
and get you products pure.



6. WHATEVER YOUR CONCERNS ARE, WE WILL ELIMINATE THEM

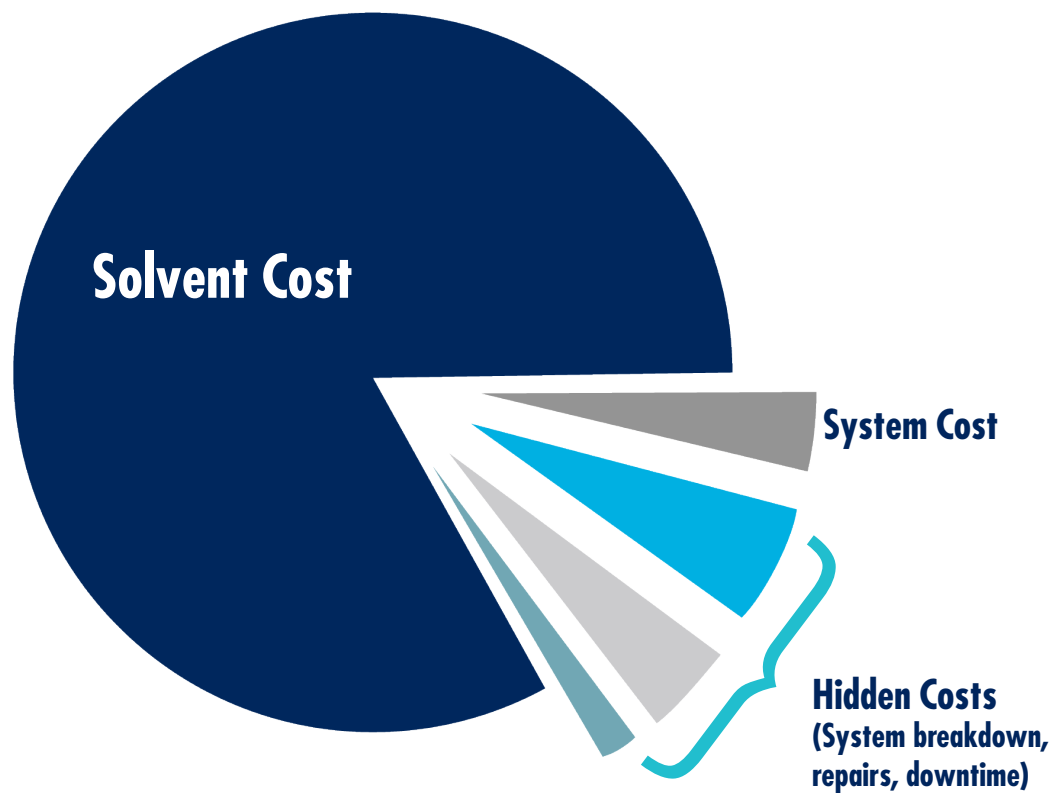
- Time saver
- Greater purity
- Column's cost killer
- Green chemistry
- Throughput (Autosampler + puriFlash® Series)
- Higher yield
- Better recovery

Genius
Keeps Intelligence
Simple, Smart







7. WE WILL INCREASE YOUR PROFITABILITY

Did you know?
The total cost of purification:



Beneficial features differentiate puriFlash® from the competition:

-  Flash your TLC plate using our mobile app., or with our TLC FlashReader, send the data automatically to InterSoft X® Genius™. You are ready to run the purification.
-  Load your sample, liquid or solid, through multi-way electrical valve. InterSoft® X will manage the column equilibration, sample loading and system cleaning.
-  Intelligent management of flow rate to safely speed-up the purification.
-  Benefit from our HPLC technology.

High-end modular HPLC design & technology for highly valuable & mandatory contribution to:

	Features & Advantages	Benefits
Robustness	<ul style="list-style-type: none">• High quality materials used for every part• Even greater capacity vs guaranteed system specs	<ul style="list-style-type: none">• Less maintenance• No hidden costs• Less downtime = Greater productivity
Safety	<ul style="list-style-type: none">• Multiple leak sensors at every critical places• Physical control of solvent & waste levels (proprietary innovative technology)• Professional & secure command protocols and connections• Constant control of the back pressure & automatic flow rate correction• Built-in solvent vapor extractor	<ul style="list-style-type: none">• No unexpected method "Stop"• No risk of sample loss• Less downtime = Greater productivity• No need for fume hood
Maintenance	<ul style="list-style-type: none">• Easy access to all fluidics and wearable parts• No invisible fluidic transfer• Built in RJ 45	<ul style="list-style-type: none">• Limited maintenance costs: "do it yourself so easily"• No risk of invisible leaks and sample loss• Tele Maintenance (software and hardware)• Less downtime = Greater productivity
Detection	<ul style="list-style-type: none">• Triple detection platform : UV/Vis/Elsd/CMS	<ul style="list-style-type: none">• Limitless application range
Modularity	<ul style="list-style-type: none">• Multiple column holders & injection devices• The smallest footprint including columns• Better ration footprint/collection capacity	<ul style="list-style-type: none">• Better profitability• Better productivity
Unsurpassed Performance	<ul style="list-style-type: none">• Unique built in Intelligence : InterSoftX Genius™ software• Systems tested and validated on four the 4 mandatory criteria:<ul style="list-style-type: none">- Precision-Accuracy-Linearity-Repeatability- Full RP/NP versatility- Proprietary development, design & manufacturing	<ul style="list-style-type: none">• Decision helper & time saver: greater productivity• Proven performance & full operational specs• Versatility – multi purposes: better profitability• Sustainability in quality – constant optimization of performance

SEE OUR FULL RANGE OF MASS SPECTROMETRY AND FLASH-MS SOLUTIONS:

Introducing the expression® Compact Mass Spectrometer (CMS) with multi-mode sample introduction techniques for fast, prep-free sampling. For a complete intelligent flash purification workflow, couple the CMS and puriFlash® flash purification system to execute a fast, user-friendly workflow to run TLC, harness the power of your cell phone to develop a flash method, or experience our new TLC FlashReader, and finally utilize a simple dipping probe to confirm fractions in seconds.



HOW TO REQUEST MORE INFORMATION, A QUOTATION OR TO PLACE AN ORDER

Looking for technical assistance?
Our scientific experts are here to help.

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Live Demo

Our team will be pleased to give you a live demonstration of our products.
Let's arrange a personal appointment!



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