

ACI™ – Accelerated Chromatographic Isolation

Taking Flash Purification to Another Level

Biotage has developed ACI™ Accelerated Chromatographic Isolation, a revolutionary advancement converting regular flash from simple purification to the fastest, greenest, and most economical way to reliably isolate pure compounds for organic synthesis.



Fast and Efficient

With running costs and time a concern in most labs, ACI™ now promises to take users to the end point even faster and even more efficiently. Isolera™ systems already recommend cartridges based on the sample size and your TLC data; they work out the best solvent gradient based on compound, and provide real time indication of eluting compounds, using UV, ELSD or Mass Detection. They subtract baseline signals automatically, so chemists can be confident that the correct fractions are collected.

ACI radically improves this. Traditional purification taking more than 15 minutes is reduced to five minutes; a 250 mg laboratory scale experiment can be purified in less than three minutes, even faster than the TLC used to optimize the separation.

ACI works seamlessly with the Isolera system, a simple wizard guide chemists through the system, beneficial for those of you whose expertise or priorities lie in the synthesis rather than purification.

ACI evolves flash purification to a totally new animal. Much faster, more powerful, more accurate and much greener. We believe that you will never need to buy another standard flash system again.

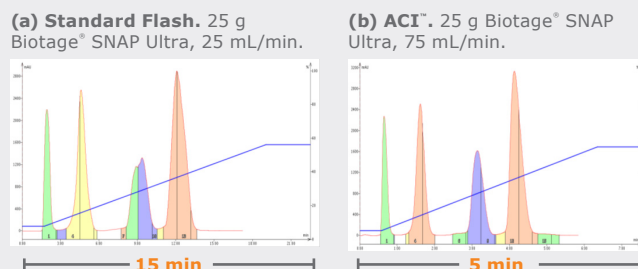


Figure 1. The same separation performed with standard flash (a) and ACI™ (b). ACI™ cuts off 10 minutes and produces sharper peaks.

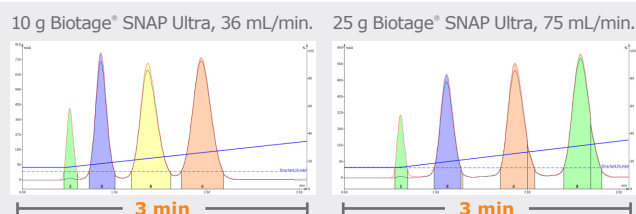


Figure 2. A multi component mix purified with ACI™ takes less than three minutes.



ACI™ will speed up your workflow and make your purification fast and efficient.

Key Benefits

- » The quickest most robust purification available
- » 2–3 times faster than flash chromatography, purify 250 mg in less than 3 minutes
- » 10–1000 times the loading of prep-HPLC
- » Use less solvent, making ACI™ greener and more cost efficient
- » More pure compounds more often
- » Freedom to really work

How Do I Upgrade?

Biotage believes in providing value. ACI is fully compatible with Isolera™ Spektra and if you already own an Isolera system you can easily upgrade. ACI installs on the underlying flash system and further enhances Isolera Spektra. Whilst you do not need one system for the other, together they are much more powerful than the sum of their components, and we want our users to benefit from this. Efficient chemists need efficient equipment.

To purchase a system or upgrade to ACI, please contact us using the information below.

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Part Number: PPS349

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