

# **Sepacore Easy Purification Systems** Your first step into controlled separation

You routinely purify your samples on an open glass column and have to cope with a limited resolution and a long separation time. As a first step toward automation, we offer small systems allowing to control the flow rate and the eluent composition.





# **Sepacore Purification**

«Easy Synthesis»

The synthesis of each new compound requires the isolation of the target molecule at the highest possible purity. This system features a 250 mL/min, 10 bar (145 psi) gradient pumping system which lets you take full advantage of your flash cartridge in order to reach this goal.



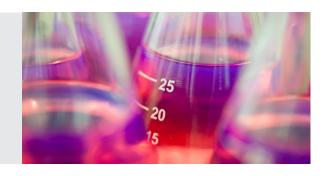
## Your most important benefits

- · Reduced elution time from hours to minutes
- · Increased purity of the collected fractions using gradient elution to optimize the resolution of the separation
- · Reduced fraction volume for a faster evaporation

### Your «Easy Synthesis» system

- · Binary gradient pumping system, 250 mL/min, 10 bar (145 psi)
- · System stand
- · Cartridge holder and connectors
- · Injection valve (up to 5 mL sample)
- · Set of Flash Cartridges

Order no. 11059792





# **Sepacore Purification**

«Easy Extract»

The isolation of a single compound from a natural extract is a challenging task. The initial mixture is complex and the target analyte only present at a low concentration. This 250 mL/min, 50 bar (725 psi) gradient pumping system is able to feed large glass columns best suited to purify high sample volumes.



#### Your most important benefits

- · Improved separation of your complex natural extract with controlled elution parameters
- · Lower solvent consumption with an easy adjustment of the solvent composition
- $\cdot$  High efficiency purification at a pressure up to 50 bar using small particle size silica

#### Your «Easy Extract» system

- · Binary gradient pumping system, 250 mL/min, 50 bar (725 psi)
- · Injection valve with 20 mL sample loop Order no. 11059793



## Sepacore Easy Purification Systems: Your most important benefits



#### Improved separation

- · Finetuned separation efficiency using gradient elution
- · Controlled separation optimization with precise monitoring of eluent composition



#### Time and money saving

- · Reduced elution time with controlled flow rate and solvent composition
- · Decreased purification cost with lower solvent consumption
- · Cost effective initial investment with upgrade possibilities



#### Easy and safe

- · Intuitive control of pumping parameters
- · Minimized solvent exposure

#### Fully upgradable

Modular system expands according to budget and applications up to a fully automated configuration including detection and fraction collection.



Detector C-640 UV-Vis detection



ELS Detector
C-650
Evaporative light
scattering detector



Fraction Collector C-660 Flexible fraction collection



SepacoreControl Software Full control software