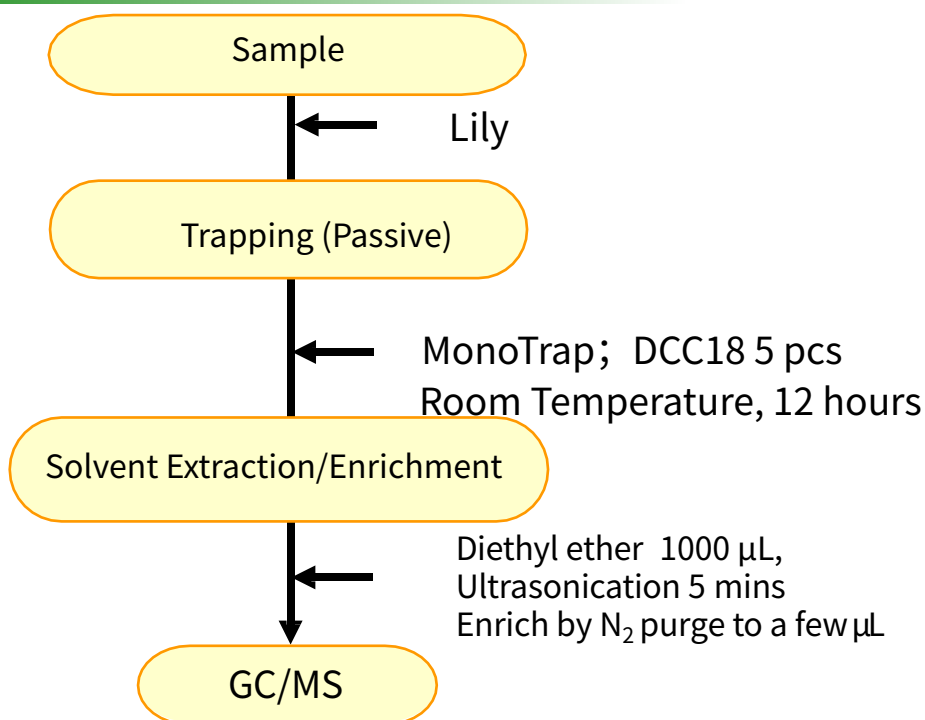


# Easy Enrichment of Lily Fragrance by Passive Method with MonoTrap

MonoTrap is a hybrid novel adsorbent that combines a large surface area and the properties of silica gel, activated carbon, and ODS. Due to the large surface area of porous silica and the adsorption effect caused by the inclusion of activated carbon, a high collection efficiency is obtained. Therefore, high-sensitivity analysis can be performed in a short time. In this study, we used MonoTrap DCC18 (with activated carbon) to perform simple enrichment analyses of the fragrance components of the glasses. Passive sampling was performed by placing more than one MonoTrap inside a sac-like teddleback. (For dedicated teddlebacks, see separately). The highly inert WAX-column InertCap Pure-WAX is the optimal column for fragrance components analyses. It is recommended to use this medicine in conjunction with MonoTrap. Column :InertCap Pure-WAX(Cat.1010-68142) 0.25 mm I.D.×30m df=0.25 μm

## Protocol



③ MT Extract Cup with Vial  
(Start UP-Kit)

## MonoTrap Series Line-up

cat.No	Description	Shape	Size	Active Carbon	Functional Group
1050-72101	MonoTrap DCC18	Disk	O.D.10mmx thick 1mm	Yes	C18
1050-72201	MonoTrap RCC18	Rod	5mm	Yes	C18
1050-71101	MonoTrap DSC18	Disk	O.D.10mmx thick 1mm	No	
1050-71201	MonoTrap RSC18	Rod	5mm	No	C18



RCC18



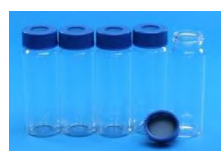
DSC18

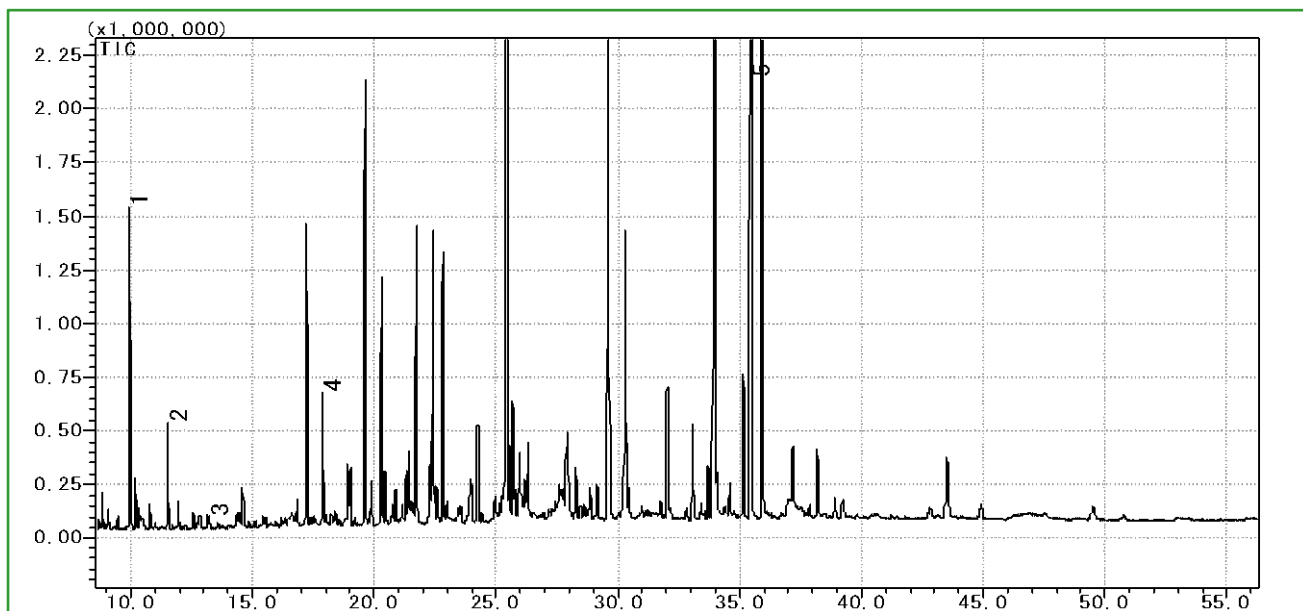


RSC18

## MonoTrap Convenient MonoTrap Start-UP-KIT

	Description	Qty.
①	MT Holder	5
②	MT Stand	1
③	MT Extract Cup with Vial (20 mL)	5
④	Clean Pin Hole Septum with vial (40 mL)	5
⑤	200μ L Glass Insert (Flat Bottom)	40
⑥	MonoTrap DCC18	20
⑦	MonoTrap RCC18	20
⑧	MonoTrap DSC18	20
⑨	MonoTrap RSC18	20





## GC

**Condition** : SHIMADZU GC-2010, GCMS-QP2010

**System** : InertCap Pure-WAX(Cat.1010-68142)

**Column** 0.25mmI.D.×30m df=0.25 μm

**Column Temp**: 70 °C→4 °C/min→220 °C (30 min)

**Carrier Gas** : He 90 kPa

**Injection** : Split 1:10 ,1 μL 250 °C

**Detection** : MS Scan (*m/z*50-450)

- 1 β-Linalool
- 2 Clorius
- 3 β-Farnesene
- 4 trans-Geraniol
- 5 Benzyl Benzoate

\* Identification result of standards

Ultra inert WAX column **InertCap Pure-WAX** is highly recommended to analyze aromatic compounds together with **MonoTrap**

GL Sciences disclaims any and all responsibility for any injury or damage which may be caused by this data directly or indirectly. We reserve the right to amend this information or data at any time and without any prior announcement.

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