

# Useful for sample prep

## Sampling Tool Kit 02

This is a set of tools that are useful for collecting liquid and solid samples for pyrolysis GC/MS analysis.

### ■ Features

- 1. Right tool for your sample**  
A variety of tools help select the right tool for a sample in any form.
- 2. Good data reproducibility**  
Tools allow you to collect samples in small sizes for good reproducibility of analytical data.



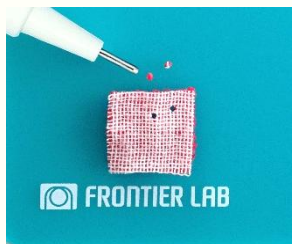
### ■ Cutting mat and tray

The "Cutting Mat" provides a durable and stable surface that ensures accurate punching with a micro-puncher, while the "Cutting Tray" is designed for smooth and efficient cutting with a cutter knife or other bladed tool.

### ■ Sample preparation - Making sampling easy

#### Micro-puncher

Punch out film like sample into small discs.



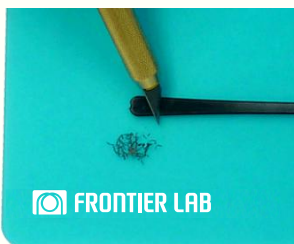
#### Cutter knife

Hold your sample securely and cut it into small pieces with a sharp blade.



#### Cutter knife

Scrape off sample surface.



#### Precision Scissors

Cut quartz wools protruding from sample cup (Eco-cup).



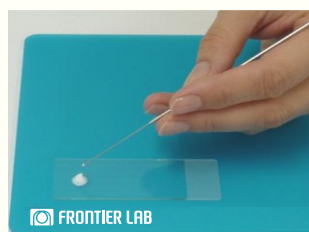
#### Micro Sample Collector

Collects small amount of powder or liquid sample.



#### Sampling needle

Collect samples of viscous liquids using the tip of the needle.



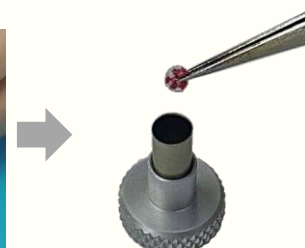
#### Double head spatula

Gather powdered sample.



#### Place it in sample cup

Place sample at the bottom of the sample cup (Eco-cup).



- We recommend that samples be as small and thin as possible for better data reproducibility.
- An instructional video of "Sample Preparation" is available on Frontier Lab's website. Access from QR code on the right or the link below.

<https://www.frontier-lab.com/support/video-tutorial/>

( Video tutorials > Operation > Sample preparation )



Tools	Description	Qty.	Product number (P/N)	Qty.
Sampling Needle	For viscous liquids	3	PY1- 7145	5
Micro Sample Collector	Collects small amount of powder or liquid sample. Includes 20 micro coils.	1	PY1- 1070 *1	5
Double Head Spatula	Gathers powder samples	1	PY1- 7147	1
Micro-puncher 050	Punches out discs of 0.5 mm diameter	3	FMP-0.50D *2	10
Micro-puncher 075	Punches out discs of 0.75 mm diameter	3	FMP-0.75D *2	10
Micro-puncher 125	Punches out discs of 1.25 mm diameter	3	FMP-1.25D *2	10
File for UA capillary tube	Cuts capillary SS column/tube	1	UAP-7001	1
Cutter Knife	Includes 25 spare blades	1	PY1-7151 *3	1
Scissors	L=176 mm, 65 mm blades	1	PY1-7161	1
Precision Scissors	L=90 mm, 16mm blades	1	PY1-7162	1
Tweezers	L=125 mm	2	PY1-7141	1
Blunt Tip Tweezers	L=125 mm	1	PY1- 7142	1
Cutting Mat L	D=150 mm, L=220 mm	1	FCM-6577	5
Cutting Tray	D=105 mm, L =195 mm, Non-slip backing	1	FCT-6585	1
Eco-Stand AL	Sample cup stand for a single cup	2	PY1- EH10AL	5
Eco-Cup Stand 10	Sample cup stand for 10 cups	1	PY1-3711	1

**Guide for single item order :**

All tools contained in the kit can be purchased individually. Use the product numbers shown in the table above when ordering tools individually. The contents and/or the quantities of each tool may differ from the Sampling Tool Kit 02.

\*1: Micro Sample Collector Kit (P/N: PY1-1070) comes with Micro Coil S(20 ea). Micro Sample Collector and Micro Coil S are available individually. Refer to the catalog of Micro Sample Collector from Frontier-lab's website for details.

Product name : Micro Sample Collector (5 ea), P/N : PY1-1071

Product name : Micro Coil S (20 ea x 5), P/N : PY1-1075

\*2: A set of Micro-puncher (3 ea) and Cutting Mat L (1 ea) is available.

Product name : Micro-puncher 050S, P/N : FMP-0.50S

Product name : Micro-puncher 075S, P/N : FMP-0.75S

Product name : Micro-puncher 125S, P/N : FMP-1.25S

Micro-punchers have 7 varieties of inner diameters (0.5/ 0.75/ 1.25/ 2.0/ 3.0/ 4.0/ 5.0 mm). Refer to the catalog of Micro-punchers from Frontier-lab's website for details.

\*3: A cutter knife (P/N: PY1-7151) comes with 25 spare blades.

