FRONTIER LAB

Sampling Tool Kit 01

Sampling Tool Kit 01 is a set of useful tools that are used to sample solid polymers for pyrolysis-GC/MS. Various types of tools in the kit makes sample preparation much faster and easier.

■ Features

1. Tools for various forms of solid polymer samples

- A thin film sample is cut with scissors or punched out with a Micro-puncher into small pieces.
- A thick solid sample is scraped off with a Cutter knife.

2. Enhancing reproducibility of data

- These tools enhance reproducibility of data by making large surface area of solid polymer sample.

a. Micro-puncher 125 b. Cutter knife (with spare blade) c. Scissors

d. Precision Scissors e. Tweezers f. Cutting mat L

■ Contents of the kit (P/N: PY1-K101, with a storage case)

Parts name		Specifications		Reorder information *1	
		Description	Qty	P/N	Qty
a	Micro-puncher 125	1.25 mm i.d.	5	FMP-1.25D*2	10
b	Cutter knife	Length: 138 mm, with 25 spare blades	2	PY1-7151	1
c	Scissors	Length: 176 mm (blade : 65 mm)	1	PY1-7161	1
d	Precision Scissors	Length: 90 mm (blade : 16 mm)	1	PY1-7162	1
e	Tweezers	Length: 125 mm	3	PY1-7141	1
f	Cutting mat L	Length: 150 x Width: 220 mm	2	FCM-6577	5

*1 All parts contained in the kit can be purchased individually. The quantity of each part may differ from the kit.

*2 Micro-puncher has seven 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-puncher on Frontier Lab's website for details (https://www.frontier-lab.com/assets/file/catalogue/Micro-puncher_E.pdf).

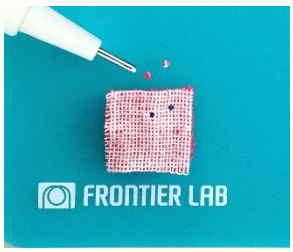
■ Sample preparation – fast and easy sampling

Scissors

Cut a sheet or film-like sample into smaller sizes.

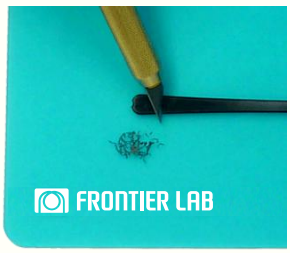
Micro-puncher 125

Apply cutting edge against a sample and rotate gently. The sample is punched out into a small piece when pushing the button on top.



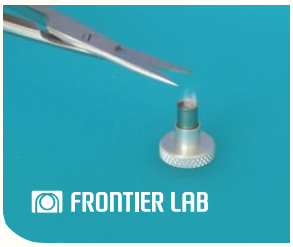
Cutter knife

Scrape off sample surface.



Precision Scissors

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



- To enhance reproducibility, it is recommended that solid polymer samples be small and thin as much as possible.
- An instructional video of "Sample Preparation" is available on Frontier Lab's website. Access from QR code on the right or the link below.

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