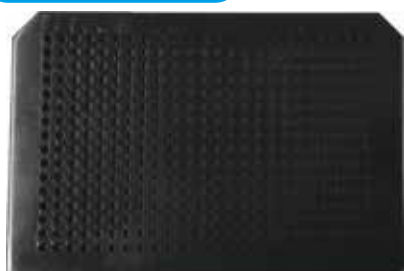


Reaction and Analysis of Electrophoresis Gels Cut into 4.5 mm Squares in Microplates

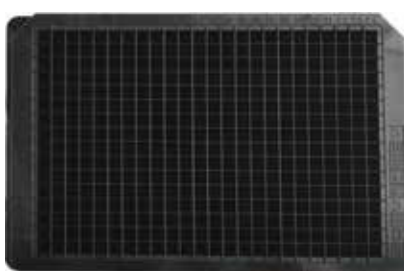


- **SAINOME®** is a unique and patented instrument for protein research that cut gels after electrophoresis into 4.5mm square pieces and transfers them into a 384-well microplate for further and analysis.
- **SAINOME®** consists of a cutter and a microplate.
- Compatible with 10 cm square mini-gels.
- Following gel cutting and transfer, measurements can be performed directly using a plate reader.

Product Images

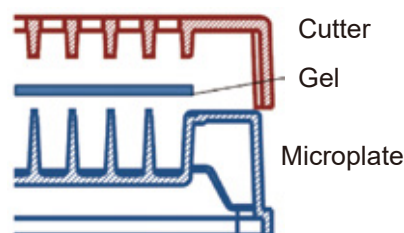


Cutter



Microplate

Cross-sectional view

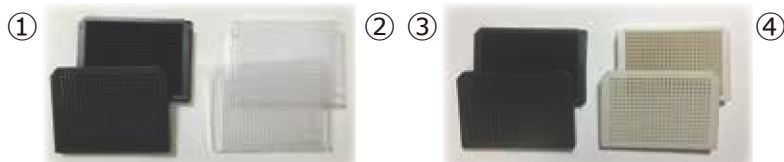


Product Overview

- **Package Contents:** Cutter ×1, Microplate ×1
- **Specifications:** Compatible plate reader: 384-well
- **Patents:** Japan patent registered (Patent No. 5594501) Overseas patent applications/registrations in progress

Ordering Information

Product Name	Catalog Number	Size, Colour	Material
SAINOME 384-Well Format Gel Excision Tool	SAI-SAI-386-B	① 4 Sets - Black	PS
	SAI-SAI-386-C	② 4 Sets - Clear	PS
	SAI-SAI-386-PEB	③ 4 Sets - PE Black	PE
	SAI-SAI-386-PEW	④ 4 Sets - PE White	PE



Distributed by



COSMO BIO USA
Inspiration for Life Science

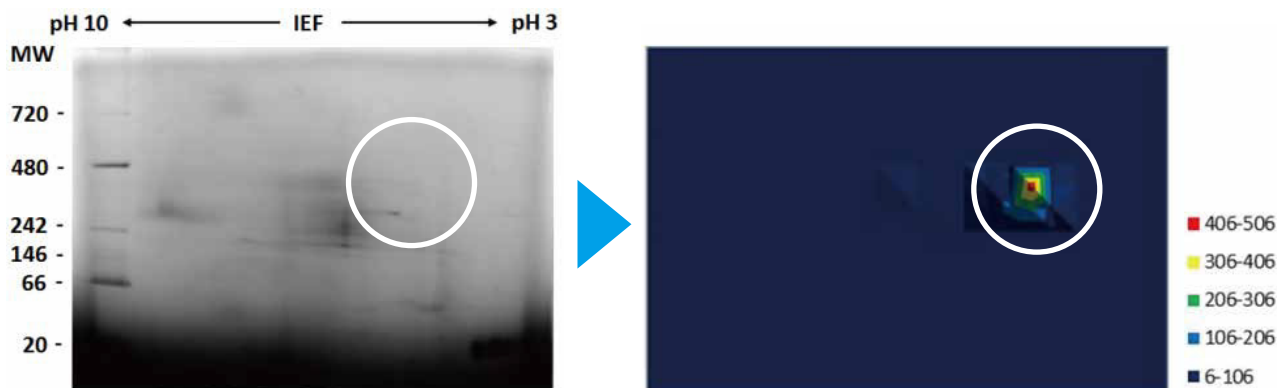
TEL: +1 (760) 431-4600
(Available Monday – Friday, 9:00 AM – 5:00 PM (PT))

Address: Cosmo Bio USA
2792 Loker Avenue West, Suite 101
Carlsbad, CA 92010 USA

Website: cosmobiousa.com

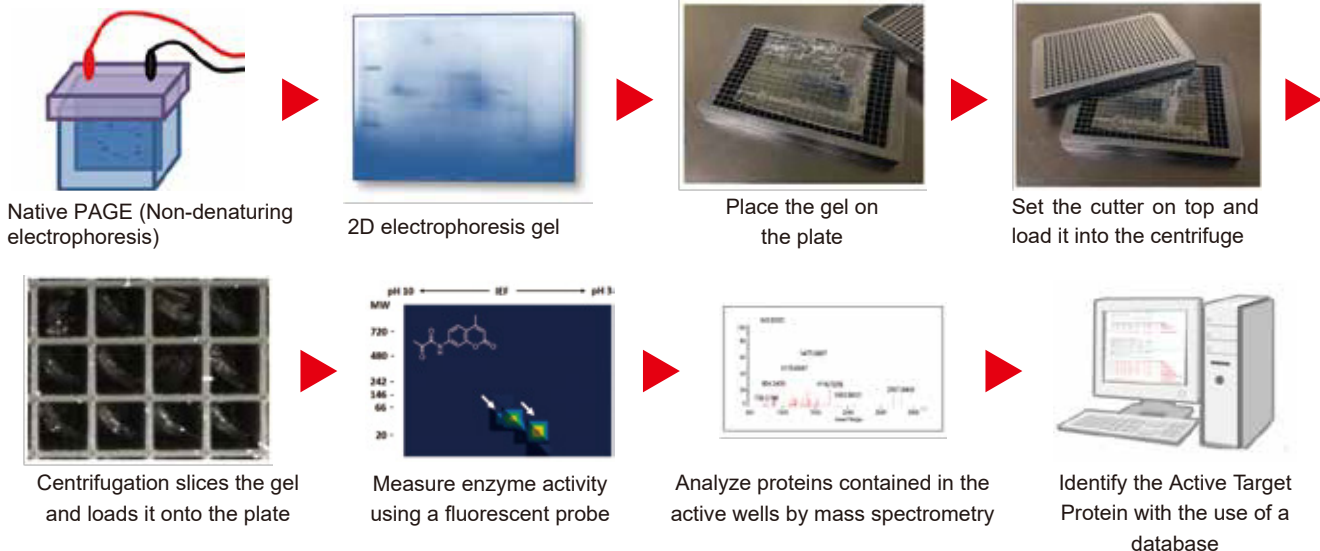
Highly Sensitive Detection of Enzyme Activity Using SAINOME® and Fluorescent Reagents

Combining SAINOME® with fluorescent reagents in zymography enhances detection sensitivity up to 1,000-fold, enabling the detection of trace proteins below 0.1 ng



Example: Detecting enzyme activity responsible for formylated-peptide metabolism in liver lysate (*J. Am. Chem. Soc.* **2013**, 135, 6002-6005)

How to use SAINOME®



References

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- Kentarō Yoshioka, Toru Komatsu, Akihiro Nakada, Jun Onagi, Yugo Kuriki, Mitsuyasu Kawaguchi, Takuya Terai, Tasuku Ueno, Kenjiro Hanaoka, Tetsuo Nagano, and Yasuteru Urano, *J. Am. Chem. Soc.*, 2015, 137, 12187-12190
- Toru Komatsu and Tetsuo Nagano, *MEDCHEM NEWS* No. 3 AUGUST 2013 .33
- Toru Komatsu, Kenjiro Hanaoka, Alexander Adibekian, Kentaro Yoshioka, Takuya Terai, Tasuku Ueno, Mitsuyasu Kawaguchi, Benjamin F. Cravatt, and Tetsuo Nagano, *J. Am. Chem. Soc.* 2013, 135, 6002-6005