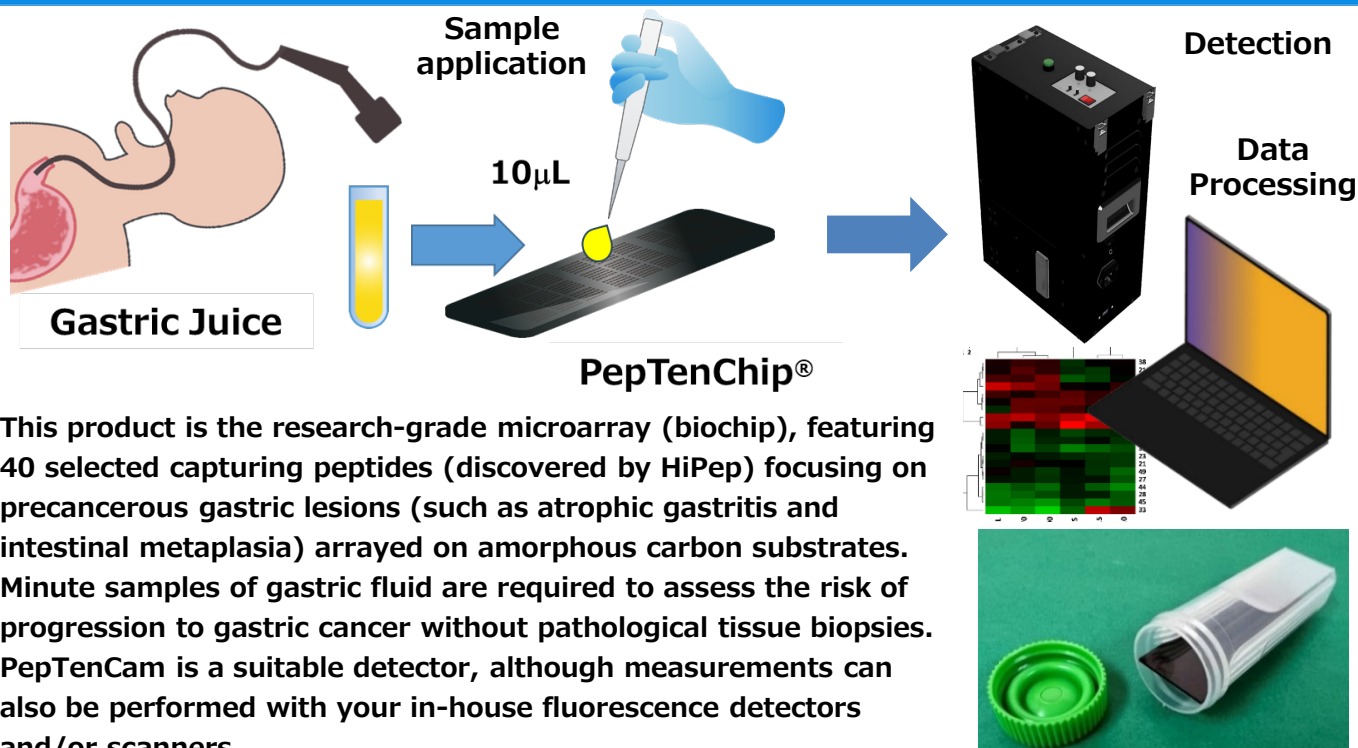


Gastric Cancer Risk (Pre-disease) Classification Chip PN: PTC-GCM-01



This product is the research-grade microarray (biochip), featuring 40 selected capturing peptides (discovered by HiPep) focusing on precancerous gastric lesions (such as atrophic gastritis and intestinal metaplasia) arrayed on amorphous carbon substrates. Minute samples of gastric fluid are required to assess the risk of progression to gastric cancer without pathological tissue biopsies. PepTenCam is a suitable detector, although measurements can also be performed with your in-house fluorescence detectors and/or scanners.

Features

- **Arrayed with selected capture molecules, which enable highly accurate stratification of precancerous gastric lesions:** selected peptides have high correlation in identifying precancerous conditions and the progression (risk stratification) of early-stage gastric lesions.
- **Amorphous carbon substrates allow ultra-high sensitivity and low-noise detection.** The substrate provides minimized non-specific adsorption (background noise) to the utmost extent, enabling signal detection with a high signal-to-noise ratio. Additionally, PepTenChip® is not disposable but reusable, offering long-term cost-effectiveness with environmentally beneficial.
- **Comprehensive and rapid multiplex analysis:** Since multiple biomolecules in analytes can be evaluated simultaneously on a single chip, sample consumption and analysis time are significantly reduced.

P/N	Product	Unit	Price
	PTC-GCM-01		
	Stomach Cancer Risk (Pre-disease) classification Chip	1	Contact us
	Tip storage case	1	Included
	Incubation reaction vessels	1	Included

Reference [1] Nokihara, K., Chemical Engineering, 2024, 88, 61-64.

[2] Tominaga, Y., et. al. (2018) Bioorg. Med. Chem., 26, 3210-3216.

[3] Tominaga, Y. and Nokihara, K. (2025) Anal. Meth. (Royal Society of Chemistry), 17, 4590-4598.

[4] Tominaga, Y., Wu, X., Wei, M., and Nokihara, K. (2026) J. Pharm. Biomed. Anal. 268,117210.

Videos: Summary Video on Bio-Detection Methods Based on New Principles https://hipep.com/?page_id=3662

① PepTenChip®/PepTenCam Videos <https://youtu.be/-Zli6QZVetU>

② Introducing New Carbon Substrate Material <https://www.youtube.com/watch?v=xcar8LTKAcU>

③ Manual Array Preparation Method: Researchers without an arrayer can easily create arrays.

You can create arrays using your own molecules. Protocol for Reproduction and Reuse

<https://www.youtube.com/watch?v=bFvfJTDY4Uw>



Related Videos