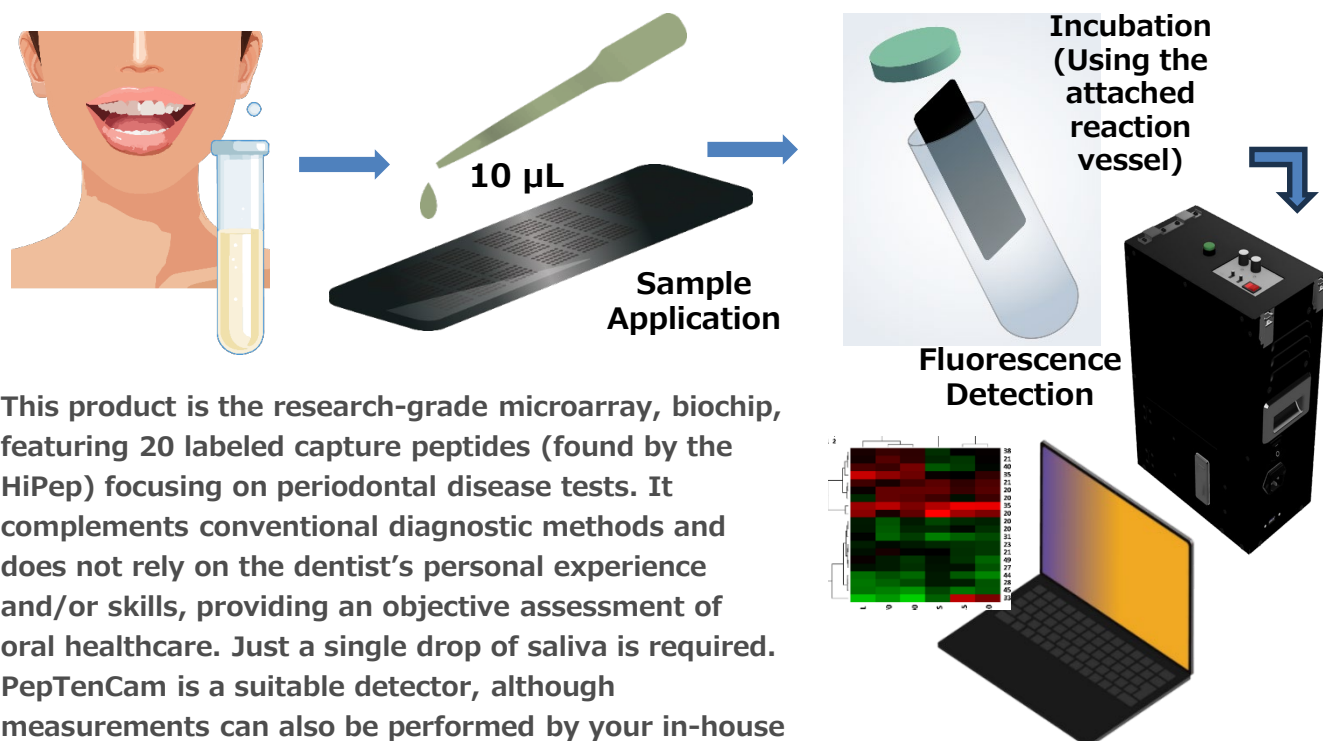


Oral Healthcare Rapid Detection Chip PN: PTC-PDS-01



This product is the research-grade microarray, biochip, featuring 20 labeled capture peptides (found by the HiPep) focusing on periodontal disease tests. It complements conventional diagnostic methods and does not rely on the dentist's personal experience and/or skills, providing an objective assessment of oral healthcare. Just a single drop of saliva is required. PepTenCam is a suitable detector, although measurements can also be performed by your in-house fluorescence detectors/scanners.

Features

- ◆ **Objective and highly accurate results:**
The test incorporates 20 capturing probes specific for periodontal disease, providing objective data.
- ◆ **Minimal Invasive & Rapid Mass Screening:**
Requiring only a single drop of saliva and just 15 to 30 min to complete. The test is ideal for efficient mass screening of large populations.
- ◆ **PepTenChip® is not disposable.**
- ◆ **Application of proprietary PepTenChip®:**
This product has been optimized based on our proprietary, which utilizes our unique substrate and micro-layer technology. This system enables comprehensive analysis and screening of interactions with both known and unknown proteins.

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. Methods.*, **17**, 4590-4598.
- [4] Tominaga, Y., Usui, K., Hirata, A., Ito, H. and Nokihara, K. (2018) *Bioorg. Med. Chem.*, **26**, 3210-3216, 2018.

Videos:

- ① Summary Video on Bio-Detection Methods Based on New Principles Now Available https://hipep.com/?page_id=3662
- ② PepTenChip®/PepTenCam Videos <https://youtu.be/-Zli6QZVetU>
- ③ Introducing New Carbon Substrate Material <https://www.youtube.com/watch?v=xcar8LTKAcU>
- ④ 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>

P/N Product	Unit	Price
PTC-PDS-01 Oral healthcare rapid detection chip	1	Contact us
Tip storage case	1	Included
Incubation reaction vessels	1	Included



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