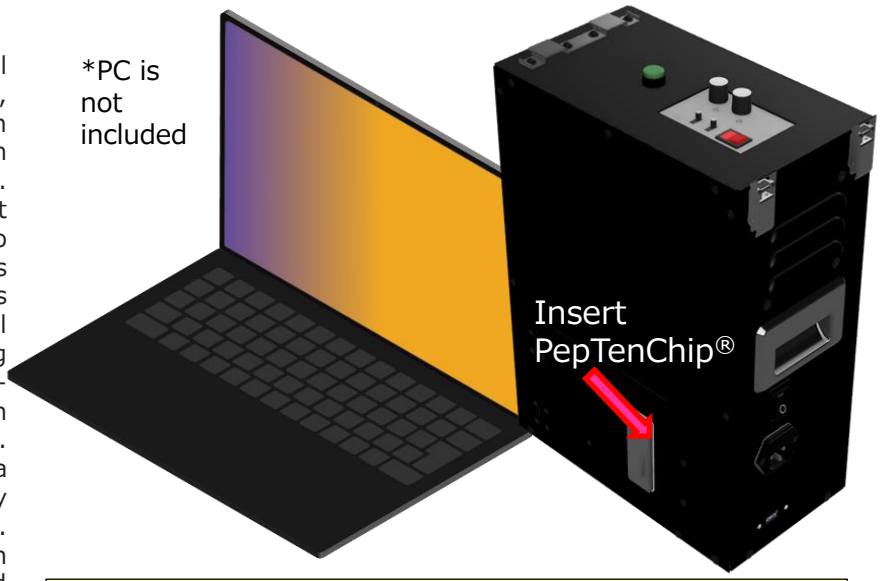
HiPep Laboratories

PepTenCam ＜PTC-FD15＞ ON SITE use

Design and Concept

HiPep Laboratories established fundamental technologies for the PepTenChip®, system, peptide microarray, using a novel carbon substrate realized the novel bio-detection principle applied the fingerprint method (Pat. US, EU, JP). Its ripple effect is very large, not only research and drug discovery but also involving high potential in clinical diagnoses in the next generation. Bio-chips as films cameras are indispensable. Conventional detection system using sophisticated with big instruments with complicated reagent-systems require expertized skill, which can be performed only big institutions/hospitals. Bio-detection using PepTenChip® allows a **"real-time + on-site"** manner, directly measurements of specimen give time saving. Thus a portable and easy-to-use detection device, "PepTenCam" has been developed (PAT, JP & CN). "Easy to use in a remote place/in a field" allows also for home care. Bio-safely level facility (BSL3, 4) is required when the samples have infection risks. In such closed space, PepTenCam is useful.



Specification: LED Excitation; Digital sCMOS camera; Image capture software; Easily carried, ca 6 Kg, carry on baggage size: H 37 x D 25.3 x W13.2 cm, Inside power supply and USB-PC connection. Easy installation & Operation. Maintenance free

No sliding parts are equipped to allow maintenance free operation. PepTenCam had been manufactured for upper stream patens owned by HiPep Laboratories. Additionally this device is also useful for observation using micro-flow path (on-chip manner) (US, JP and EU patents approved).

In bio-detection PepTenChip® can create objective indicators in diagnoses, not dependent on the skill of clinicians. In care of serious diseases and/or senior persons who can not fully communicate their problems orally to doctors.

Additional filters: excitation wavelength for fluorescence (optional)

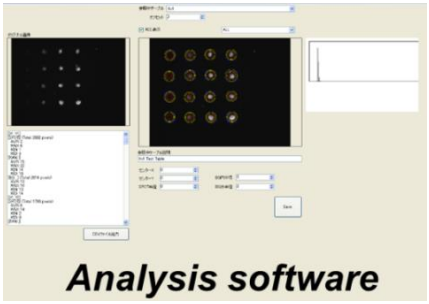
The wavelength of the excitation light source is optimized for TAMRA on capture molecules. Light sources and filters can be customized upon requests.

Wave length can be selected upon dyes and the filter can be easily replaced
TAMRA (Ex. 531 nm Em. 593 nm) ; FAM (Ex. 475 nm Em. 530 nm)

Previous prototype models, are offered at a reduced price. Please contact us. Hence, the **specifications are the same as FD15** (below with top-cover) except size.

Detection software (optional)

The software is offered as an option, which is specialized in detecting and analyzing arrayed spots.
By applying the optimal template to the array image acquired by the PepTenCamera, the difference between the fluorescence intensity of each spot and the background can be automatically calculated and displayed. The image data (array data) acquired by the other equipment can be also analyzed. This software was constructed as outsourcing of HiPep Laboratories a license fee is required. Practically another software can also be applied.



HiPep are looking for manufactures under license

SUMMARY

- *Portable*
- *Maintenance free*
- *Easy handling*
- *Space saving*
- *On-site use*
- *Digital sCMOS camera*
- *Image capture software*
- *LED Excitation*
- *Filter selectable upon dyes*
- *Bio-Safety-Level 3 or 4*

Specifications will be changed without any notice

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