

Innovative!

TII Original Product

Phalanx-R

Multipoint Confocal Raman Microscope 21×21 points

Inverted type



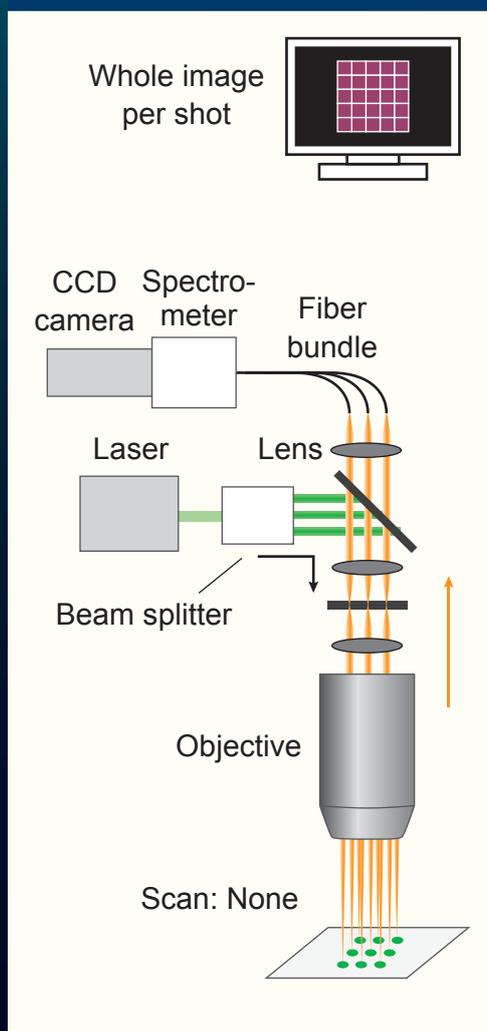
Upright type



Features

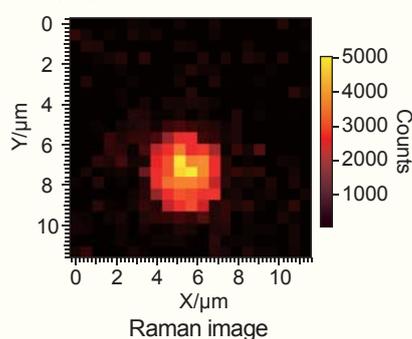
- Revolutionary one-shot 21x21-point measurement
- Real-time observation
- Rapid Raman imaging
- 3D imaging
- High sensitivity / high spatial resolution

2D multi-confocal Raman microscope



Examples

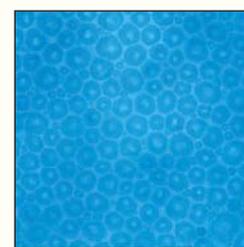
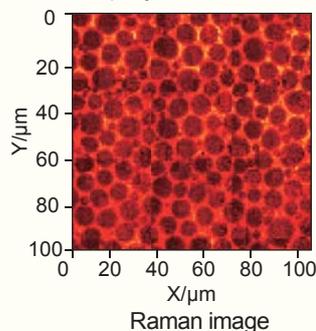
Polystyrene beads



■ Conditions

measurement time: 0.5 s Number of points: 21 × 21 (441) points
Field of view: 11 × 11 μm (100 × NA1.4)

Porous polymer film



■ Conditions

Total measurement time: 140 min Interpolating scan: 6 × 6
Image tiling: 3 × 3 Objective: 40x
Number of points: 11,664 Point interval: 940 nm

This product, "Phalanx-R", was developed in collaboration with Prof. Iwata (Gakushuin University) and Prof. Hamaguchi (Waseda University, currently) based on the prototype developed previously by Prof. Hamaguchi at University of Tokyo.

Also, the commercialization of "Phalanx-R" was attained in a part of JST-SENTAN program.



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