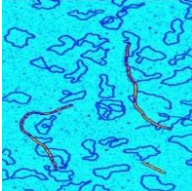


Varieties of test samples available such as DNA, standard biological, PFM test pattern, TSD, SiC, and Mica.

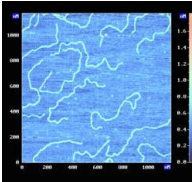
### BS01



#### Application:

- Getting started in working on AFM with biological samples.
- Using as a sample for preparing DNA and bacteriophage samples on your own.
- Estimation of cantilevers tip radius (typical DNA size on the mica is 0.5-0.7 nm, bacteriophage size is 3-4nm).
- Test samples for Z-resolution of commercial SPMs.

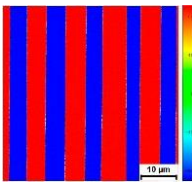
### DNA01



#### Application:

- Getting started in working on AFM with biological samples.
- Using as a sample for preparing DNA samples on your own.
- Estimation of cantilevers tip radius curvature (since the DNA size is equal two nanometers in free condition).
- Test samples for Z-resolution of commercial SPMs.

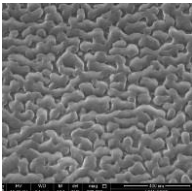
### PFM03



#### Application:

- Setting of the Piezoresponse Force Microscopy (PFM) mode.
- Optimization of the modulation voltage parameters (frequency, phase and amplitude).
- Test measurements in the PFM mode.

### TSD01



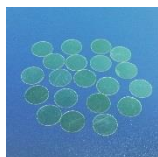
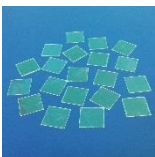
#### Application:

- Qualitative estimation of AFM tip's sharpness based on topography image of its surface.
- Quantitative estimation of AFM tip's curvature radius using deconvolution algorithm.

### SiC/0.75 OR SiC/1.5



6H-SiC (0001) based calibration sample is designed to perform easy calibrations of AFM scanner vertical movement in several nanometers interval. The simplicity of calibration process is provided by nearly uniform distribution of half-monolayer high (0.75 nm) or monolayer high (1.5 nm) steps on the sample surface demonstrating chemical and mechanical stability. The step height corresponds to the half of lattice constant (SiC/0.75) and lattice constant (SiC/1.5) of 6H-SiC crystal in [0001] direction.



### Mica

#### 2 options:

- Square mica, 0.15 mm (0.006") thickness, size 15 mm x 15 mm.
- Mica Disks, 0.15 mm (0.006") thickness, size 9.5 mm diameter.

Shop online at [www.kteknano.com](http://www.kteknano.com) or contact us at:

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