

# PROBE SELECTION

An overview of probes for  
Optics11 Life Nanoindenters





#### CONTACT INFORMATION

Optics11 Life  
+31 20 809 6000  
[info@optics11life.com](mailto:info@optics11life.com)  
[www.optics11life.com](http://www.optics11life.com)

Please see our website  
for more information  
about our products

#### COMPANY ADDRESS

Optics11 Life  
Hettenheuvelweg 37-39  
1101 BM Amsterdam  
The Netherlands

#### COMPANY INFORMATION

Optics11 B.V.  
KvK/CC: 52469417  
VAT: NL850459734B01  
Amsterdam, NL

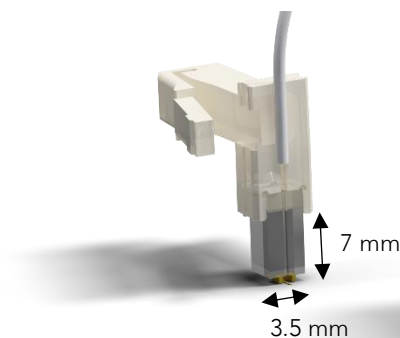
# PROBES

*Tip sizes, cantilever stiffness, and type*

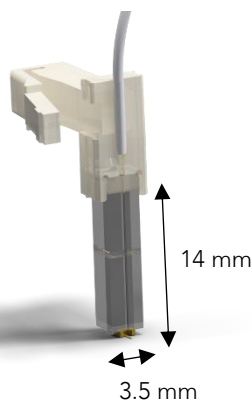
Available tip sizes						Stiffness range		Stiffness range	
3	10	25	50	100	250 $\mu\text{m}$	0.025	N/m	10 pa	– 18 kPa
3	10	25	50	100*	250* $\mu\text{m}$	0.5	N/m	200 Pa	– 360 kPa
3	10	25	50	100	250 $\mu\text{m}$	3.5	N/m	1.4 kPa	– 2.5 MPa
3	10	25	50	100*	250* $\mu\text{m}$	5	N/m	2 kPa	– 3.6 MPa
3	10	25	50	100*	250* $\mu\text{m}$	50	N/m	18 kPa	– 36 MPa
3	10*	25*	50*	100*	250* $\mu\text{m}$	150-200	N/m	54 kPa	– 72 MPa

\* Only available for single/double ferrule probes; not for Pavone probes.

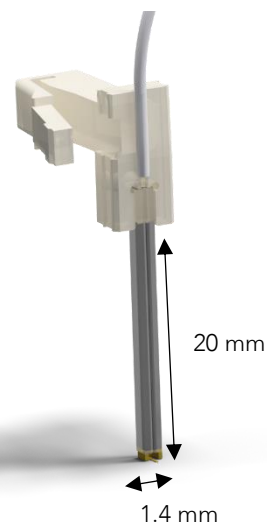
Single-ferrule  
(Piuma/Chiaro)



Double-ferrule  
(Piuma/Chiaro)



Well plate  
(Pavone)



Single-ferrule probes are compatible with 35 mm Petri dishes or larger.

Double-ferrule probes are compatible with 6 well plates.

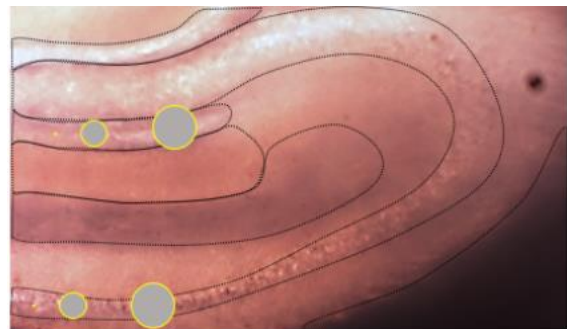
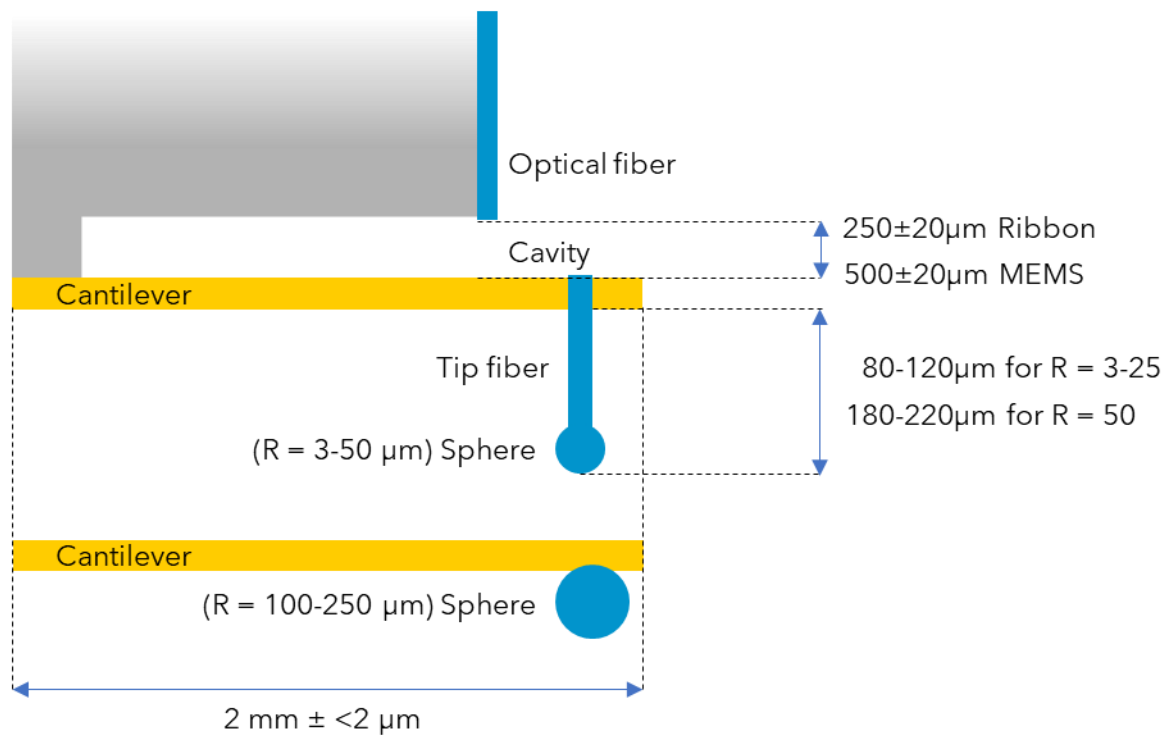
Pavone probes are compatible with up to a 384 well plate.

Check out our [Optics11 Life probe webshop](#)  
for all available probes.



# PROBES

## *Tip variations and morphology*



Keep the morphology of your sample in mind when selecting the tip size of the probe. Is your sample **flat** or **uneven**? Is your sample **porous**? Do you want to measure the **local** or **regional** properties of your sample?