



Part number		NT_biotool_v0010
<b>Tip</b>		
Material	HDC/DLC	
Shape	conical	
Tip length / l	n/a	
Diameter / d	n/a	
Half cone angle / $\Phi$	n/a	
Radius / r	25 nm	
Tilt compensation / $\theta$	n/a	
Pyramid height / PH	7 $\mu\text{m}$	
Tip set back / TSB	7 $\mu\text{m}$	
<b>Cantilever</b>		
Material	Quartz	
Shape	rectangular	
Length / L	60 $\mu\text{m}$	
Width / W	25 $\mu\text{m}$	
Thickness / T	0.4 $\mu\text{m}$	
Force constant / k	0.1 N/m	
Resonance Frequency / f	50 kHz	
<b>Coating</b>		
Tip side	none	
Back side	Gold reflex	
<b>Chip</b>		
Length / L_Chip	3400 $\mu\text{m}$	
Width / W_Chip	1600 $\mu\text{m}$	
Thickness / T_Chip	315 $\mu\text{m}$	
Alignment grooves	yes	