



Part number		NT_biotool_v0020
Tip		
Material	HDC/DLC	
Shape	conical	
Tip length / l	200 nm	
Diameter / d	n/a	
Half cone angle / Φ	n/a	
Radius / r	2 nm	
Tilt compensation / θ	n/a	
Pyramid height / PH	7 μm	
Tip set back / TSB	7 μm	
Cantilever		
Material	Quartz	
Shape	rectangular	
Length / L	60 μm	
Width / W	25 μm	
Thickness / T	0.4 μm	
Force constant / k	0.1 N/m	
Resonance Frequency / f	50 kHz	
Coating		
Tip side	none	
Back side	Gold reflex	
Chip		
Length / L_Chip	3400 μm	
Width / W_Chip	1600 μm	
Thickness / T_Chip	315 μm	
Alignment grooves	yes	