



Part number		NT_biotool_v0030
Tip		
Material	HDC/DLC	
Shape	conical	
Tip length / l	15 μm	
Diameter / d	n/a	
Half cone angle / Φ	n/a	
Radius / r	25 nm	
Tilt compensation / θ	12°	
Pyramid height / PH	15 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	