



Micro-Tec B126 ESD safe battery operated vacuum pen

#52-001907 & #52-001910



Product description

The Micro-Tec B126 ESD safe battery operated vacuum pump is a pen style vacuum pick-up pen with an integrated micro vacuum pump which runs on a standard 1.5V type AAA battery. It include a standard male Luer-slip connection on which the interchangeable needles with a blunt tip will fit. The lifting capacity depends on the internal diameter of the needle and/r the diameter of the suction cup. For using the vacuum pen to pick up TEM grids 30 or 27 gauge needles should be used; they fit onto the 40-500um wide rim which is part of most TEM grids. Use the smooth side of the TEM grid.

Estimated lifting capacity table on smooth and level surfaces:

Needle / Cup size diameter in mm	Estimated lifting capacity in grammes
0.31mm tip (30 gauge) only	0.015
0.42mm tip (27 gauge) only	0.02
1.25mm tip (18 gauge) only	< 1
1.65mm tip (16 gauge) only	1
4mm vacuum cup	12
6mm vacuum cup	25
9mm vacuum cup	55
10mm vacuum cup	70

Operating instructions:

- 1 – Load supplied battery before use and replace when the vacuum pen stops functioning
- 2 – Select appropriate tip and slide it with moderate force on the Luer-slip connection of the pen
- 3 - Press button to start creating vacuum – keep depressed for continuous operation
- 4 – Place vacuum needle on smooth surface and lift the sample
- 5 – Place sample at desired location
- 6 - Release button to stop the vacuum pump, the vacuum pen is vented and the sample is released.

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