

Materials List for:

Safe Experimentation In Optical Levitation Of Charged Droplets Using Remote Labs

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Materials

Name	Company	Catalog Number	Comments
GEM 532	Laser Quantum		Green laser with adjustable power between 50 mW and 2 W
Lateral Effect Position Sensor	THOR Lab	PDP90A	PSD to sensor the position of the droplet in the pipette
Advanced Educational Spectrometer Kit, Metric	THOR Lab	EDU-SPEB1/M	Mirrors and other elements to control the laser beam
Pipette	Self made		The chamber were the droplet is trapped was specially made for this setup
AC/DC Power supply	Keithley Instruments, Inc.	2380-500-30	A power supply to generate the electric field (0V - 500V DC)
Power Distribution Unit	APC	AP7900	A PDU to remotelly connect the lab instrumentation