

Total Cost Breakdown

In the interests of full disclosure we have provided a complete breakdown of the estimated cost of the system, neglecting the laser. An example price of each component is provided below, along with the quantity of the product required for the fabrication of a lens. Two prices for toluene have been provided as the cost per lens drops significantly when bulk-buying discounts are exploited (i.e. best case) compared with buying the minimum possible amount from Sigma Aldrich (i.e. worst case). Many of these components, however, are very common to research and teaching laboratories and could be found or borrowed.

Component	Quantity Bought	Unit	Cost (£)	Quantity Used	Unit	Cost per use (£)
Sudan II dye	25	g	22	0.00056	g	0.0005
PDMS	1.1	kg	402	0.000086	kg	0.03
Toluene worst case	100	ml	19.60	1	ml	0.20
Toluene best case	8000	ml	158.50	1	ml	0.02
Coverslip	1000		31.90	1		0.03
Following components can be found in the lab/house and supplied by end user						
Smartphone	Supplied by end user					
Foam Packaging	Found in packaging. Alternatively, it can be bought for					0.02
Illumination	Any old torch, bike lamp, etc can be supplied by end user. Just needs to be bright enough to see.					
Tin foil	Supplied by end user					
100W bulb	Supplied by end user					
	Price per trapping lens					0.06
	Price per imaging lens worst case					0.26
	Price per imaging lens best case					0.08
Additional optics to form the trapping system						
50:50 beamsplitter from Thorlabs						23.08
Total cost best case (found packaging)						23.23
Total cost best case (bought packaging)						23.24
Total cost worst case (bought packaging)						23.42