



Figure S1. Efficiency savings can be achieved through reducing the contribution of overhead costs to the price of each array by increasing production scale. Consumable costs dominate at higher production volumes, and further cost savings can be achieved by discounts from suppliers, for example, for bulk ordering of substrates.

Table S1. Estimated annual overheads

Overheads	Per annum	
Instrument	£30 000.00	Instrument valued at £150k, lasts 5 years
Service	£40 000.00	Contract(s) to service/repair instrumentation
Staff	£80 000.00	Two people working full time
Additional	£56 000.00	70% staff cost (for administration, utilities, and so on)
Total	£206 000.00	

Table S2. Estimated reagent and consumable costs

Reagents	per array	
Substrates	£15.00	Typical substrate price range is £5 –15
Chemicals	~£0.00	Cost of chemicals,
Library	£25.00	20k oligos valued at £25k, good for 1000 arrays
Total	£40.00	

Table S3. Commercial alternatives to in-house spotted microarrays

Company	Web address
Affymetrix	http://www.affymetrix.com
Agilent Technologies	http://www.home.agilent.com
Applied Biosystems	http://www.appliedbiosystems.com
CombiMatrix Corporation	http://www.combimatrix.com
Illumina	http://www.illumina.com
Mergen	http://www.mergen.com
NimbleGen Systems	http://www.nimblegen.com
Oxford Gene Technologies	http://www.ogt.co.uk
Panomics	http://www.panomics.com
Phalanx Biotech	http://www.phalanxbiotech.com
Plexigen	http://www.plexigen.com
Spectral Genomics	http://www.spectralgenomics.com
SuperArray Bioscience Corporation	http://www.superarray.com
Xeotron Corporation	http://www.xeotron.com