

1. mRNA is extracted from cells to be studied.

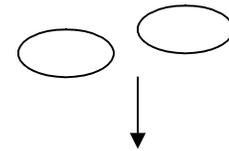


2. cDNA is synthesized from mRNA template.

3. cDNA is labelled with fluorescent tag.

4. Labelled cDNA is incubated with microarray and binds at locations that correspond with individual genes in cell genome.

5. Microarray is scanned and analyzed to compare pattern of gene expression in each cell sample.



mRNA



cDNA



cDNA + tag

