

**DNA Microarray**

**1. mRNA is extracted from cells to be studied.**

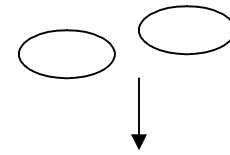


**2. cDNA is synthesized from mRNA template.**

**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**

