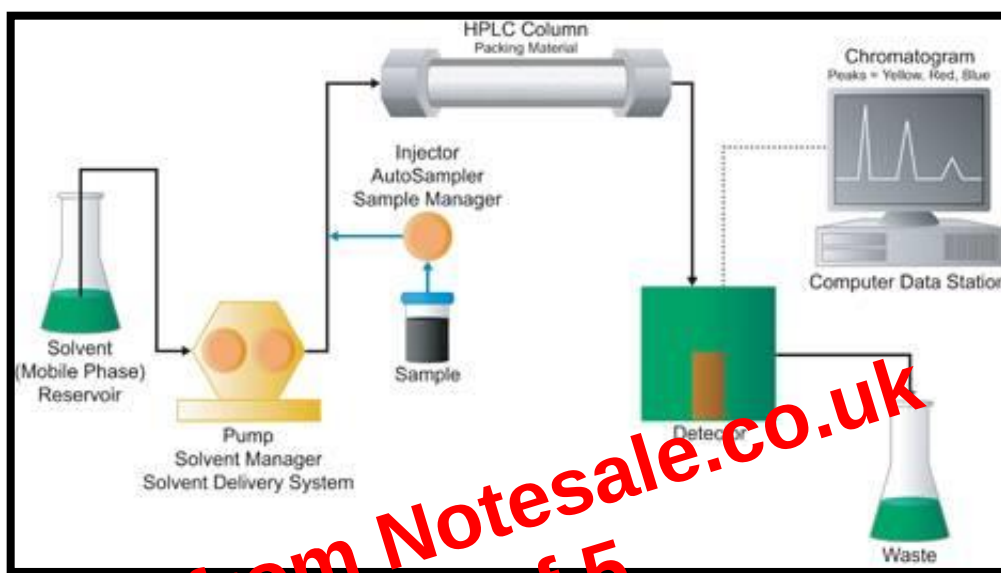


machine uses the beams of light to detect the specific compounds that exit out from the column.

Data system is basically a computer that control and maintain all the parts of the HPLC that draw the signals from the detector and measure the retention time of the sample qualitatively as well as quantitatively.



Application of HPLC

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It is a separation process that segregate the biomolecules like as DNA & RNA, fluids, amino acids and other medical products like as pesticides and surfactants. HPLC can detect and identify the purity of the compounds. It can segregate the biological compounds like as drugs and vitamins, steroids etc. it is widely used in the industries for identifying the impurities.

Gas chromatography

It is used for the segregation/separation and analysing of various compounds in the mixture on the basis of difference in the vapour pressure and it is widely used to identify the purity of specific compounds.

➤ Principle

The principle of this process is occur in to the liquid stationary phase and gas phase on the basis of participating quantity among the two phases. The sample is inject in to the machine and invade the gas