

Set up - Chromatography

- ① What does the set up demonstrate?
- ② Define chromatography.
- ③ Give the principle involved in the experiment.
- ④ Give at least two important precautions for this set up.
- ⑤ What is R_f value. Give the significance of R_f values.
- ⑥ Which solvent has been used in the experiment? Why?
- ⑦ What is paper chromatography? Give one technique ^{where} paper can be substituted for identification of amino acids.
- ⑧ Give limitations of using paper in this set up.
- ⑨ Give at least two important and advanced forms of chromatography.
- ⑩ Give applications of the technique.
- ⑪ Give the chemical formula of an amino acid.
- ⑫ Give at least one technique other than that demonstrated which can be used for separation of amino acids / proteins.
- ⑬ Why is Ninhydrin sprayed on chromatogram?
- ⑭ Give one more mixture of compounds which can be separated using simple ^{paper} chromatography.
- ⑮ What do you understand by 'saturation of the jar' which contains solvent?