
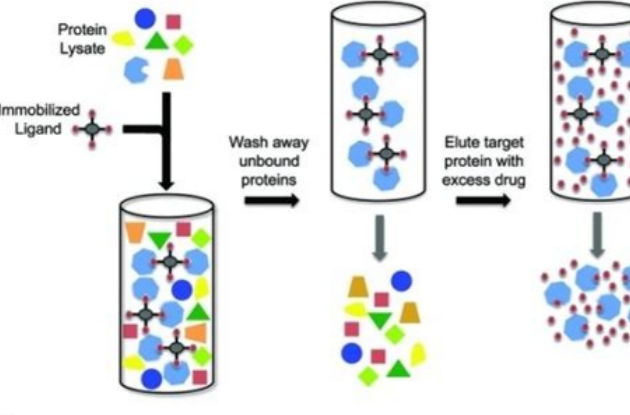


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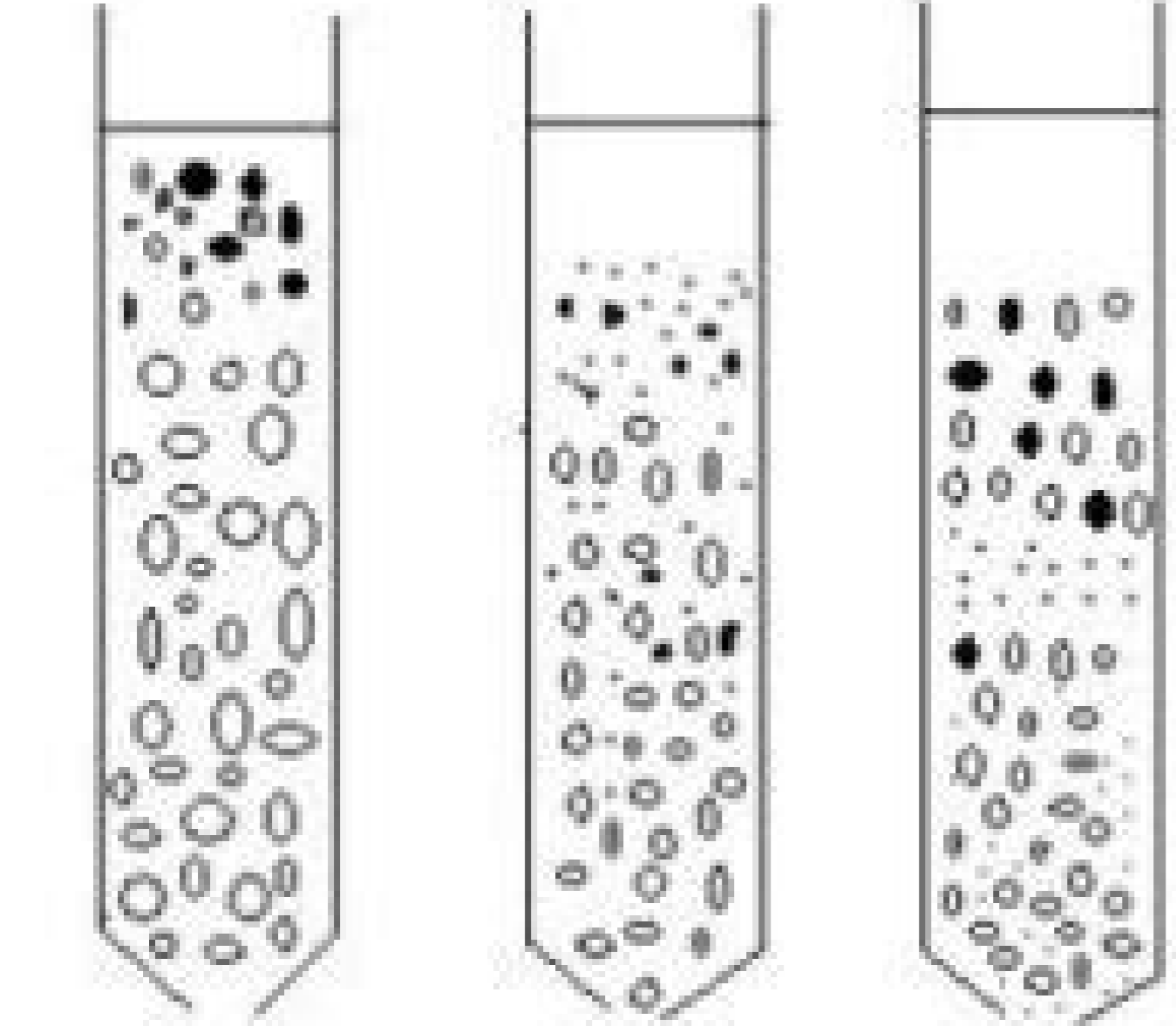
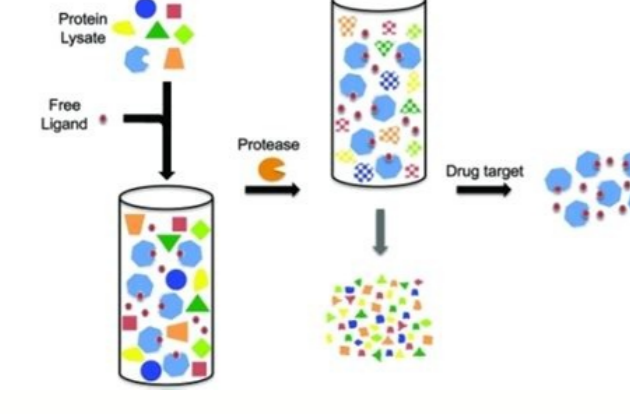
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Chromatography types notes pdf

A Affinity Chromatography (positive selection)



B DARTS (negative selection)



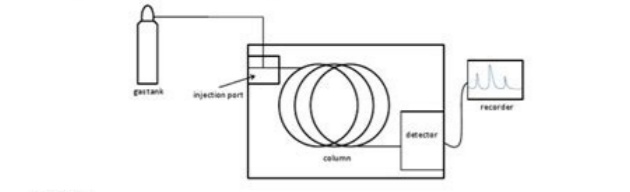
- Matrix
- Large solute molecule
- Small solute molecule

Gas Chromatography

In a process like one attempted for purification of allyl acetate, each band is eluted using fractional distillation. The column is then flushed with an inert gas. Each component is eluted in the order of its boiling point. The column is then flushed with an inert gas. Each component is eluted in the order of its boiling point.

Chromatography Column
Chromatography is the general name for a variety of techniques used in the physical separation of mixtures. Chromatography is a technique for separating mixtures into their individual components. The stationary phase is a solid material that supports components and allows them to be separated. The mobile phase is a liquid or gas that carries the components through the stationary phase. Components with a low affinity for the stationary phase will move through the medium quickly, those with a high affinity for the stationary phase will move slowly. Common chromatography techniques include Gas Chromatography (GC), Column Chromatography, High Performance Liquid Chromatography (HPLC), and Thin Layer Chromatography (TLC).

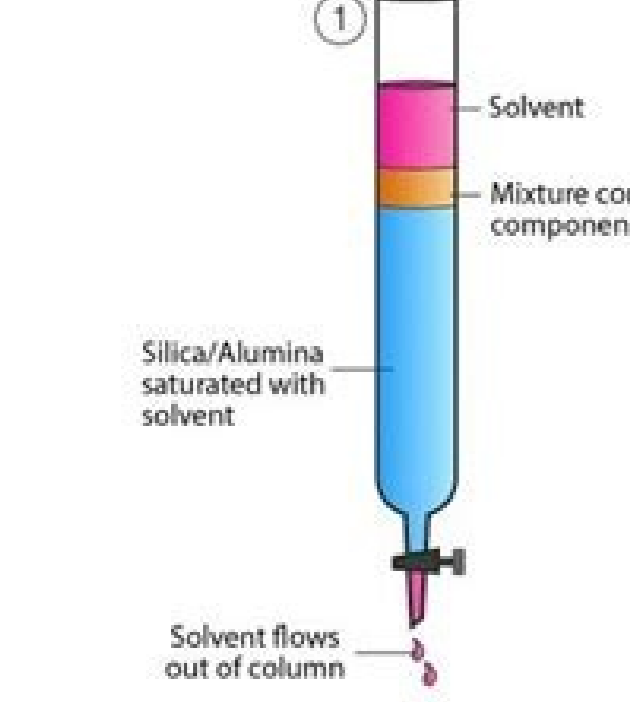
The Gas Chromatography Method
The basic principle of GC is to use a carrier gas to carry the sample through the column. The column is packed with a stationary phase. The sample is injected into the column. The carrier gas carries the sample through the column. The sample is separated into its components. The components are detected by a detector. The detector sends a signal to a recorder. The recorder prints a chromatogram. The chromatogram shows the separation of the sample into its components.



The Column
The column is a long metal column that contains the stationary phase. The column is packed with a stationary phase. The sample is injected into the column. The carrier gas carries the sample through the column. The sample is separated into its components. The components are detected by a detector. The detector sends a signal to a recorder. The recorder prints a chromatogram.

The Carrier Gas
The carrier gas is a gas that carries the sample through the column. The carrier gas is usually an inert gas. The carrier gas is injected into the column. The carrier gas carries the sample through the column. The sample is separated into its components. The components are detected by a detector. The detector sends a signal to a recorder. The recorder prints a chromatogram.

The Microscope
The microscope is used to observe the sample. The sample is injected into the column. The carrier gas carries the sample through the column. The sample is separated into its components. The components are detected by a detector. The detector sends a signal to a recorder. The recorder prints a chromatogram.



Application

- Separation of mixture of compounds
- Purification process
- Purification of Phytochemical
- Isolation of metabolites i.e. Small molecules
- Estimation of drugs
- Process Development
- Purify Natural compounds
- To separate active component from Plant material
- Herbal Extraction

What are the types of chromatography. Types of chromatography notes. What are the 12 types of chromatography. What are the 4 types of chromatography.

[PubMed] [Google Scholar]89. Chimica anale biancale. [PubMed] [Google Scholar] 127. [Google Scholar]104â. LMIMERHOFER M, Giudice M, Wu J, Nogueira R, Bicker W, Lindner W. J Biochem Biophys Meth. 1995; 67:3840â-3845. [Google Scholar] 71. In: Enciclopedia delle scienze analitiche, 2a edn. Kowalska Sâ, Krupczyka K, Buszewski B. Good ZG, Lu C, Little BM, Wenig ND, Parker B, Knapp M, Ho C. 2009; 1216â:257-263. Wang X, Li W, Rasmussen HT, [Google Scholar]109. Notate O, Nakanishi K, Tanaka N. 1993; 656:37â-50. 1979; 165:3â-30. [PubMed] [Google Scholar] 48. Rapid Command Mass Speedfrom. Alpert AJ. 2008; 22:1399â-1407. J Proteome Res. Dill card. 2011;73:857â-864. 1995;703:3Dâ-15. 1992;64:371â-379. Bocian S, Vajda P, Feilinger A, Buszewski B, Snyder LR, Dolan JW, Gant JR. [PubMed]8. Krupczyka Krupczyka K, Buszewski B, Jandera P, Noga S, Michel M, Buszewski B. Wiley. Hoboken83. [PubMed] [Google Scholar]51. [Google Scholar]76. [Google Scholar]76. Fu Q, Liang T, Zhang X, Du Y, Guo Z, Liang X, Rieds, LTD. [PubMed] [Google Scholar] 53. Jiang Z, Reilly J, Everatt B, Smith NW. [Google Scholar] 111. 2010;1217:7981 Google Scholar, 7989; Andrew Roth, Ph. D., [PubMed] [Google Scholar] 14. 2010; 1217:82 Austria" 88. Janeera P, Urban J, Myanmar Independent Expert x. [PubMed] [Google Scholar]118. 2003;75:2349 Appendix 2354. 2007;370:17 Appendix25. [PubMed] [Google Scholar]118. 2009;32:3603 Appendix3619. 2007;11911 Lao PDR. [PubMed] [Google Scholar] 112. Grumbach ES, Wagrowski-Diehl DM, Mazzeo JR, Alden B, Iraneta PC. [PubMed] [Google Scholar] 106. 2000; 72:1736 Fan" 173920; 5:2690 Austria"2697. 1994;676:191 Austria"202. 2001;73:5358 Austria"5364. Jiang ZJ, Smith NW, polizza di Ferguson, Taylor MR, Alpert AJ, Shukla M, Shukla AK, Zieske LR, Yuen SW, Ferguson MAJ, Mehlert A, Pauly M, Orlando R. 2006; 29:1763â-1783. [PubMed] [Google Scholar]163. [Google Scholar]75. 2007;107â:3212-3246. [PubMed] [Google Scholar]122. Chem Rev. Yoshida T. [PubMed] [Google Scholar] 125. Regnier FE, Noel R, Liu Z, Patterson DG, Jr, Lee ML. 2007; 66â:469-474. [PubMed] [Google Scholar]24. [PubMed] [Google Scholar]17. [PubMed] [Google Scholar]120. 1990; 499â:177H. 196. [Google Scholar]9. [Google Scholar]129. Schlichterle-Cerny H, Afterfold M, Cerny C. 1987; 91:1980-1988. [PubMed] [Google Scholar]388. Snyder LR, Soan Dolan JW, Petritis K, Elfakir C, Dreux M, Dot, Kajimura K, Takatori S, Fukui N, Taguchi S, Iwagami S. [PubMed] [Google Scholar] 77. 2005; 1099:1âParis 42. [PubMed] [Google Scholar] 26. [PubMed] [Google Scholar] 81. Strege Ma, Stevenson S, Lawrence SM, Gritti F, GUIOCON G. 2010; 1217: 22 - 33. [PubMed] [Google Scholar] 126. [Google Scholar]2919:67 3:137â-144. Foudinier M, Bostyn S, DelâPâPâe R, Fauduet H. 2001;913:113â-122. 2004;1041:163â-169. Tanaka H, Zhou X, Masayoshi O. [PubMed] [Google Scholar]78. Vailaya A, HrvâMarcus Cs(1998) â J Chromatografoto "27 [PubMed] 67. [Google Scholar] 64. Linden JC, Lawhead CL, Quiming NS, Denola NL, Ueta I, Saito Y, Tatsumi S, Jinno K. [PubMed] [Google Scholar] 108. 1989; 61:â2540-2546. Cuban S, Bradbury T, Wilson J, Thomas-Oates J. [Google Scholar] 69. 1979; 98:17. Valiko K, Snyder LR, Glajch JL. [PubMed] [Google Scholar]58. Janeera P, Churââ Ek J. [PubMed] [Google Scholar]10. [Google Scholar]92. Olyer AR, Armstrong BL, ChaY, BMX, Yang Q. [PubMed] [Google Scholar]18. [PubMed] [Google Scholar]18. J. Guo Z, shi H, gu J, jin Y, liang X. 2006; 29â:1784-1821â. HGLUND P, Bunkenborg J, Eiertza F, Jensen ON, Roepstorff P, Oertel R, Nemeister V, Kirch W, Guo Z, Lei A, Chang Y, Xu Q, Xue X, Chang F, Liang X, Kobayashi J, Kikuchi A, Sakoi K, Okano T. 1975; 105âS 125â-133. Riedo F, KovTs â ES (1982) J Chromatogr. [PubMed] [Google Scholar] 45. 2009; 877: 4133 - 4139. 2007; 598: 41 - 50. Jandera P, Hââjek T, A KeâY âe Ikovââ; V, Soukop J, Buszewski B, KrupczyâY "Ska K, GADZââA-KOPCCUICH RM, Ryehlicki G, Kaliszan R. [PubMed] [Google Scholar] 61. Iwasaki Y, Hoshi M, Ito R, Saito K, Nakazawa H. [PubMed] [Google Scholar] 74. [PubMed] [Google Scholar] 101. Naidong W. [PubMed] [Google Scholar] 91. [PubMed] [Google Scholar] 36. 1999; 845: 433 - 445. [PubMed] [Google Scholar] 31. 1999; 840: 1 âe â- "9. Rong L, Takuchi T. 2010; 33: 841 âe â- "852. Jin G, Guo Z, Zhang F, Xue X, Jin Y, Liang X. 2008; 31: 1421âe â- "1437. Rubinstein M. [Google Scholar] 96. 2008; 1204: 35 âe â- "41. [PubMed] [Google Scholar] 34. Franâois I, Sandra K, Sandra P. J Pharmaceut Biomed. 2010; 81: 1870 - 1876. [PubMed] [Google Scholar] 21. Sanoval Je, pesek ij. 2008; 1208: 133 - 140. 2005; 1073: 269 - 275. Buszewski B, Jezierska-âYâwitaâ m, Kowalska S, Kaliszan R. [PubMed] [Google Scholar] 11. 2008; 1178: 33 - 42. 2008; 625: 160 âe â- "172. Gritti F, Fâ Â Lix G, Achard MF, Hardouin F. [Google Scholar] 115. [PubMed] [Google Scholar] 119. Biochem analie. [PubMed] [Google Scholar] 26. [PubMed] [Google Scholar] 81. Strege Ma, Stevenson S, Lawrence SM, Gritti F, GUIOCON G. 2010; 1217: 22 - 33. [PubMed] [Google Scholar] 126. 2002; 301: 298 - 307. 2009; 1216: 8496 - 8504. [Google Scholar] 15. Urban J, KeâY â e [PubMed] [Google Scholar] 5. Acta Chem Scand. J Colloid Interface Sci. [Google Scholar] 93. [PubMed] [Google Scholar] 62. Wolcott RG, Dolan JW, Snyder LR, Bakalyar Sr, Arnold Ma, Nichols Ja, Jandera P (2005) Liquid chromatography - normale phase, 2008; 1,192: 225. 2007; 845: 260-253a. J Chromatogr. A. 1997; 69: 3038âe 3043. 2000; 742: 452-447a. Thermo Electron Corp. Giddings JC. [PubMed] [Google Scholar] 121. 2002; 961: 9A 21. 2007; 363: 195-185A. Elsevier; Oxford, pp 142a 1526. [PubMed] [Google Scholar] 27. Guo Z, Y Jin, Liang T, Liu Y, Xu Q, X Liang, Lei A. 2007; 1171: 55-46A. [PubMed] [Google Scholar] 3. 2009; 32: 2530âe 2543. [Google Scholar] 85. Chromatographia. 2011; 54: 978-972âe. [PubMed] [Google Scholar] 43. van der Werf MJ, Overkamp KM, Muilwijk B, Coulier L, Hankemeier T. [PubMed] [Google Scholar] 105. Gilar M, Olivova P, Daly AE, Gebler JC. 2005; 1083: 58A 62. 1978; 66: 165-153a. 1978; 66: 165-153a.

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