



7/04/	Noval Sepern Process	
	0.0001	
Charles and the state of the st	Chromatographic Sepert Process	The state of the s
	time of a route	The state of the s
and an a strange and the record and an along the Samuel and a strange an	residence time is différent for différent rolutes due to différent	reut.
and the second	Response	
and the second	Cooking of grands	
and a supplementary of the supplementary and the supplementary of the su	reatures: High pressure pump is needed to inject liq. sample High pressure pump is needed.	
***	fight pressure prompt is injected.	
*	TO WWW.	
*	A A Land (F) () CO	
A CONTRACTOR OF THE PARTY OF TH	cont is measured by absorbance value.	
*	Com 13 wars vente	3122
	Typ. Op. Londitions: - + + 1 (similar distributions of the state of th	
	The Land Mall Michael Doit of the fi	
	Col. dimension: 10 cm × 4.6 mm = 1 = 000 to to 12	
Market Sant Ballon Ball	Packing! Weak lation exchange beads	
a francisco for	Pore Size of solid matts ~ 300 Å	
	Typical flow rate: 1.5 ml/minion for	
	Volume of Injection: 10 pl	
a tarafasa a	the struction of the power that a majorule case	
it is a set of the	volas Sys., - carries gas is Her	
	-Adsorbent is used - Alumina, seolite	
	oras - liq. chromatograph (GLC) withing home it	
	I nest, porous solid beads are coated with viscous high b	oiling !
	(auses it	phase perh
	does not create contamination.	
4.1	(e) Evaporation of the liq. should be very slow	
	ens the no bodiche ad the four all printers since (
	highig chromotography (LLC):	
*	A stationary lia place to law - Use in a physical des	solid
	A stationary liq. phase is coated on - the innest porous to	
*	Sepern is based on extraor and in the services to the	
72.16	High ps. liquid chromatography (HPLC) :-	
20 A		The state of
331	Stationary liq HCs C8 or C18 company	<u> </u>
	Stationary liq HCs C8 or C18 compound	

11.2×101200 Sise exclusion chromatography (sec) No Adomp? / Offer, Sep " is pusely by size exclusion, layer size solutes are reperated from smaller ones. Solid matrix !- hel, 20 Sephodex, Agoroso Solute movement through the Col. :-Ce = Arg. Interpartiele petrosity = vol. ble particles Total Vol. of packed bed ep. Avg. intraparticle porosity = vol. inside particles. is to return at the Total vol. of all particles Total bed posserity = ET : Sum of voids within 2 blu particle = fe + (1 - fe) fp Buck density: Po = (1-Ee) Po + Ee Po Pr -> particle density If I find density and it was to the PP = (1-EP)Ps + EP ft Ps - csystalline density of solidafter of crushing Poses are not uniforming size is distribution harger particles are isterically hindered = fraction of vol. of pores that a molecule can penetrate = ve - vo ve - elution vol . vo - ext. voil vel. b/ so particle Vi - Internal Void Vol. Within. too small particles :- 100 military while many of the top of the district many thanks If should be desired to think to Physical processes involved in solute transport. (i) Solute diffuses through external light film to particles (ii) Solute reaching the surf can be adsorbed on ext. surf or can diffe through lig filled in pares. There may be surf diffusion as were (his Solute finds an active site & gets assorbed. (IV) Solute desorbs. vel. of solute = f(ee , Ep, Kd, Sorption Equal) changein - 2 22 () 19H) Ent. void vol. 2 Ee Ac 12 Asea of Cs = Packed Internal void Vol. = (1-6e) GPACAZ hange in 2 Solute in bed can be (1) In the mobile fluid in ext: ver vol. (iii) in stagnant 49. inside particle (iii) Adabed state on the particle