why different copy numbers? In produce more prasmids & hence better more autibiotic survival resistance genes rate. -Plasmid curing: antibiotic but no antibiotic resistance selection pressure present in media gene present slowly prushids disappear from terese population Interconversion of supercoiled, relaved covalently closed director DNA and open circular DNA DNA supercoiled Endonuclease DNA (SC) Topoisomerase Endonuclease relaxed, covalenty DNA (L) DNA(OC) DNA(OC) DNA (L)

EWRI HUNDI Hindlit Eco+z 10 enid eunys ared and and 6 kb BORT MANAGER HindII FURI

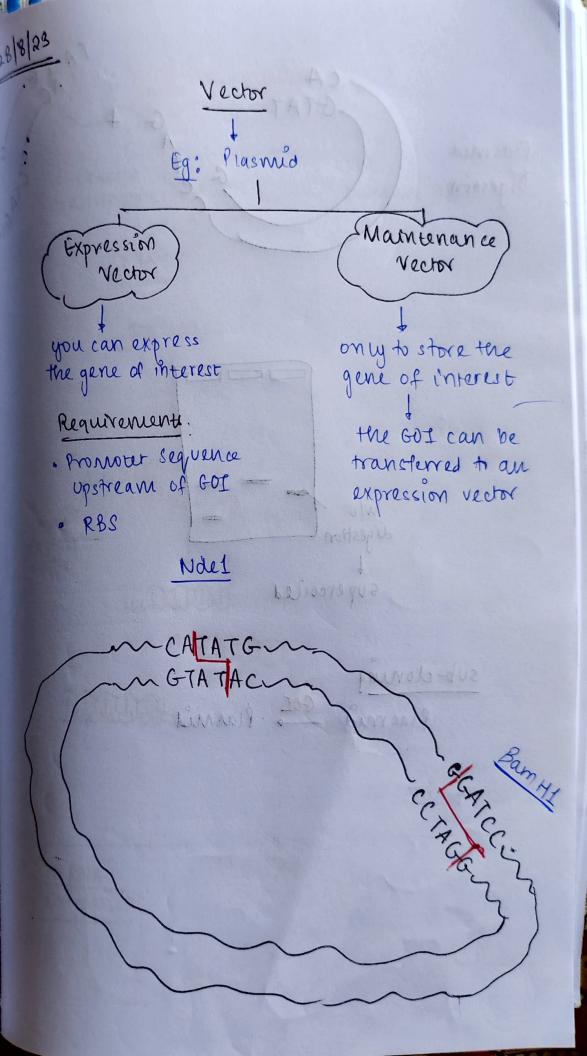
trospostile priva

21/8/23 Plasmid DNA Wolation: remove chromos ma RNA DNA less chances of Grack some nucleic acid damage nuclease "MIN WHILE BN21 Crack some protein pun fication protease-2 mL of overnight authore Akali Lyons 250 pl - P1 Buffer - Suspension Buffer RNase denature DNA - NaOH & protein 280 pl P2 Buffer SDS - dissolve phospha lipid beinga detergent 350 ML - N3 BUFFUR - Na-OAC (Renaturing) PHI bind the Bin ding silica matrix plasmid DNA at the bottom nmwa at acidic PH

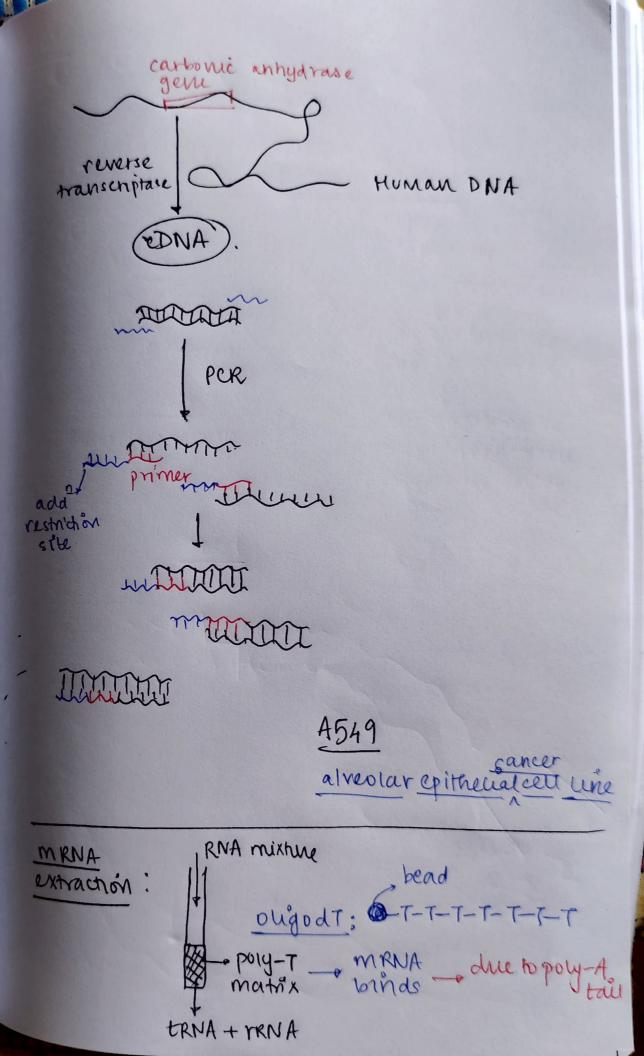
PE Buffer - toop ethanol
-wash

EB buffer - brings the DNA in the solution

PB Granine sont protein-solubilizing agent



CAGTAT Masmid Digestion Vactor you can express Requirerues Promoter Se Wlo digestion Laby supercoiled CMICATCE sub-doning GOI Plasmid Plasmid



Confirming invertion of GOI AMOS PUR (+) is of same ungth at the Goi? comprementary to gene A seq. MILLIAM END WIND AND basi. アーナーアーアーアーアーのこれのおいの the word who have

* DNA Sequencing (Sanger sequencing) Massical. 32p radioactive label 3' FATGCCATGCTCGATGC -51 TA*31 TACGA*31 TACGAGCTA*31 A:A* = 99:1 (dante-dideoxynibonucleonde trip hosphate) - use polyacylanude gel Nowadays! capillary Electrophoresis onngue tube

prisneupol Aug TA GGCC STATECCATECTCEATEC MIN'NY 0 18 TATE TACGA *31 TACGAGCTA=31 et lot Sours - dideoxyribonucleonde. trip hasphatel - + use polyacytomude que 12 MODAWON