Prepare cells by growth overnight in LB + maltose. Concentrate two fold 1. 2) phase in 18 alt # 50% 200% Track & Incubate cells (0.2 ml) and phage (2 x 10° or 2 µl of lysate) at 37°C 2. for 15 minutes, then add them to 58 ml of N2C Broth. Incubate culture at 37°C till lysis (approx. 8 to 12 hours: O.N. is O.K.). Add 8.2 al of chloroform, shake and let separate. Decant super into 40, Q Sec RPM . 3. ■1 SS-34 tentrifuge tube and clear at 12K RPM for 28 min. Decant super IOWIN to large SW-28 centrifuge tube, leaving tube about 1/2 inch from full. 4. Underlay lysate with a pasteur pipette full of 40% glycerol in TK buffer (58 mM Tris-HCl, 10 mM MgCl,). Balance tubes with fresh NZC Broth. Spin The HOKROM tubes in SM-28 rotor at 25K RPM for 2.5 hours. SW41 Four. off super and invert tubes for about 10 min. Wipe excess liquid 5. ,200 ml 7m from sides of tube and add 0.5 ml of TM buffer. Resuspend with gentle shaking on rotary shaker. Transfer to an eppendorf tube lif there is considerable debris then spin briefly and transfer super to fresh tube. έ. Add 0.5 µl DNAse (12 mg/ml) and 2.5 µl of RNAse (10 mg/ml) and incubate 27°C at R.T. for 28 minutes, then add 58 µl of 8.5 M EDTA and heat at 65°C for 10 200 5 min. 55% DName 1 ma/ml 37° 20' Smar 23% RName 10 Maj/ml Add 18 µl of 8.1 mg/ml sol. of Proteinase K: hold R.T. for 5 min. Then 370 3) DNaref pt. Sme 2 X RNier add 25 μ l of 18% SDS (six by inverting) and continue incubation at RET. $5\sigma^{0}$ A de Bright for another 15 sign(solution clears). 51. of 20% Add 100 µl of 36 Potasium Acatate (precipitate forms). Invert to mix. 8. 9. Heat at 65°C for 28 minutes (precipitate dissolves). Finvert to aix. Chill in wet ice slurry for 15 min (quess what?.. Precipitate forms). (2400 11. Spin in aicrofuge for 15 ainutes and pipette super to new tube. 12. Add 1 vol. (0.6 sl) of isopropanol, mix slowly to form floculent DNA precipitate. "Fish" precipitate with a drawn micropipatte and wash in 1 al of 70% ETOH. "Touch Off" excess ETOH on side of tube and transfer DNA to 188 to 288 µl of TE (18 mM Tris-HCl, 8.1 mM EDTA). Neural DRA m. microfuge; austorit in 100 & TE, and sen This DNA has been used not only for restriction analysis, but has also NAY She been used for various in vitro reactions involved in phage construction (DNA polymerase fill-in and linker ligation, end labeling, etc.) Rarely, one sees some nuclease contamination in these DNA preparations, when noted this can be corrected by phenol extraction, precipitation, and "re-fishing". in the second

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50 µl of ind flaque 100 µl HFI plate on small glate 5-6 hrs 37° overlag & SM 0/N Sml store at 4° & CHCl, Use 10 X of 10° dilution for minipleg en de la companya de la comp

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