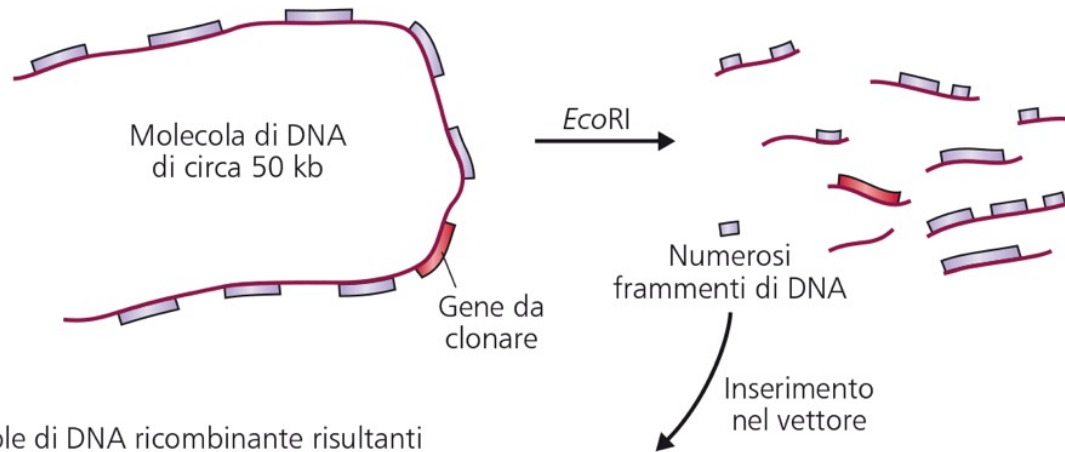
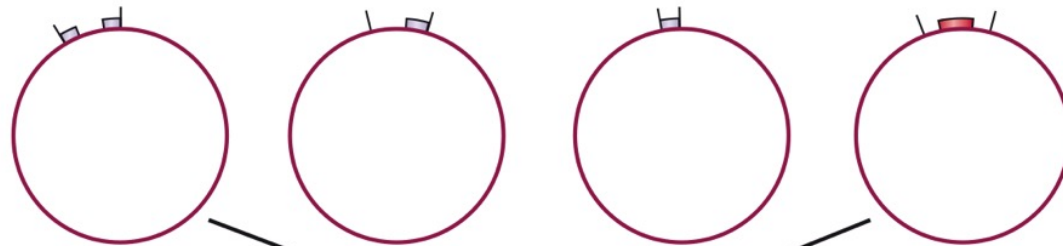


Isolamento di cloni

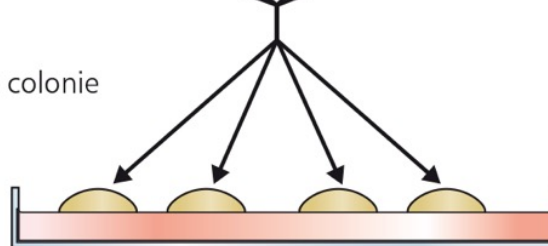
(a) Digestione di una grossa molecola di DNA



(b) Molecole di DNA ricombinante risultanti

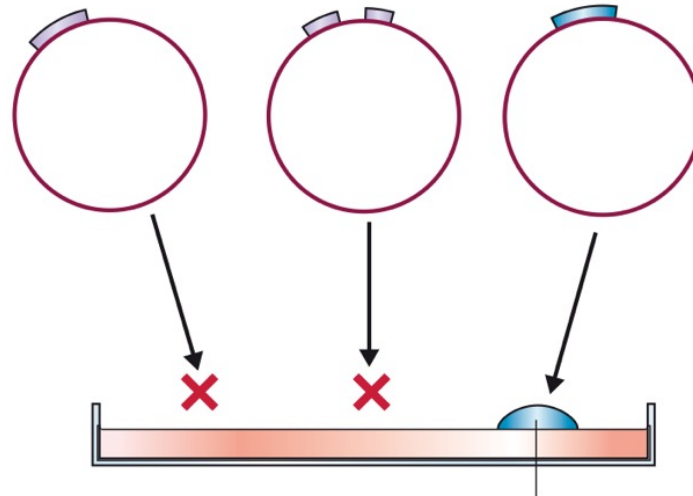


(c) Tutti i ricombinanti generano colonie



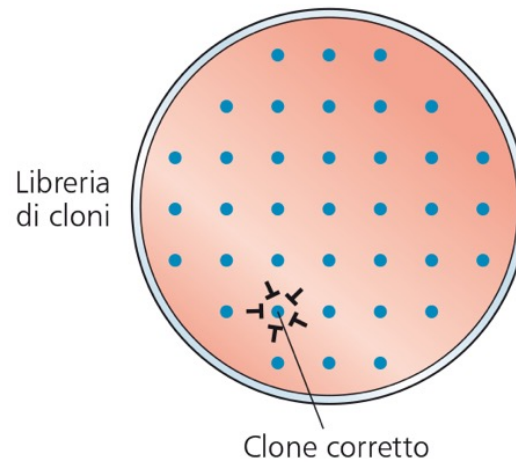
Isolamento di cloni

(a) Selezione diretta

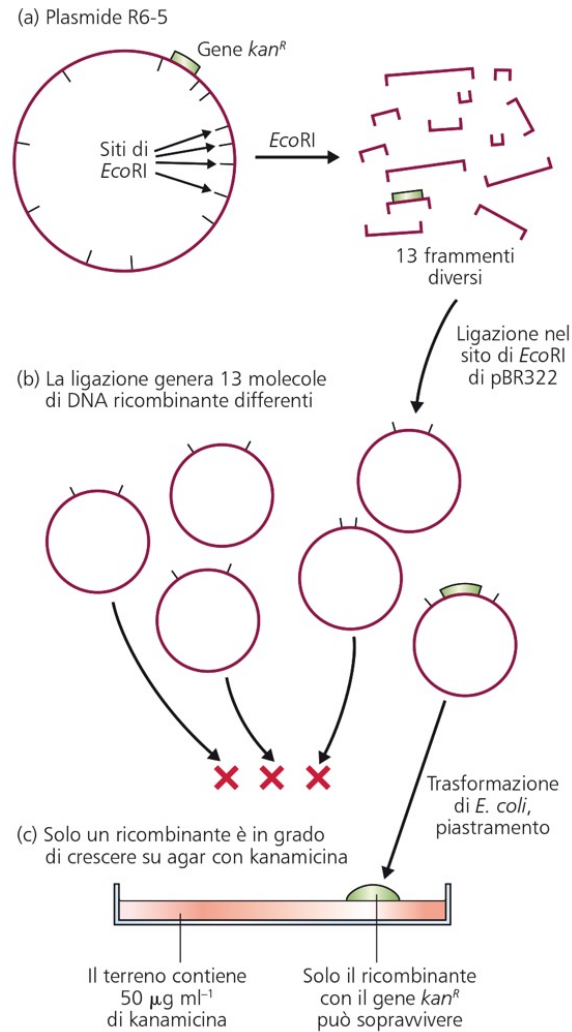


Solo il clone corretto sopravvive

(b) Identificazione del clone



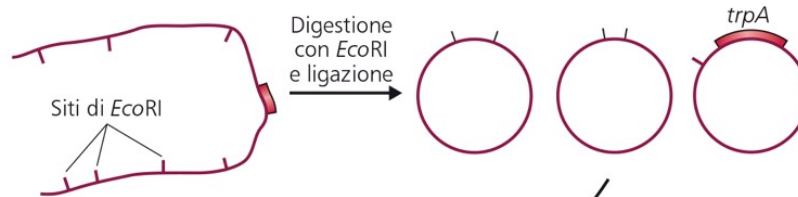
Isolamento di cloni



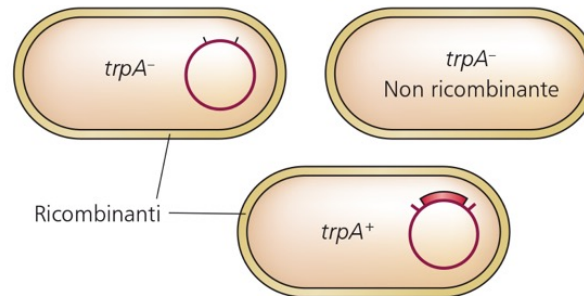
Selezione diretta

Isolamento di cloni

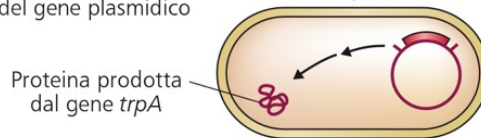
(a) Costruzione del vettore ricombinante



(b) Trasformazione di *trpA*⁻ di *E. coli*



(c) Espressione del gene plasmidico

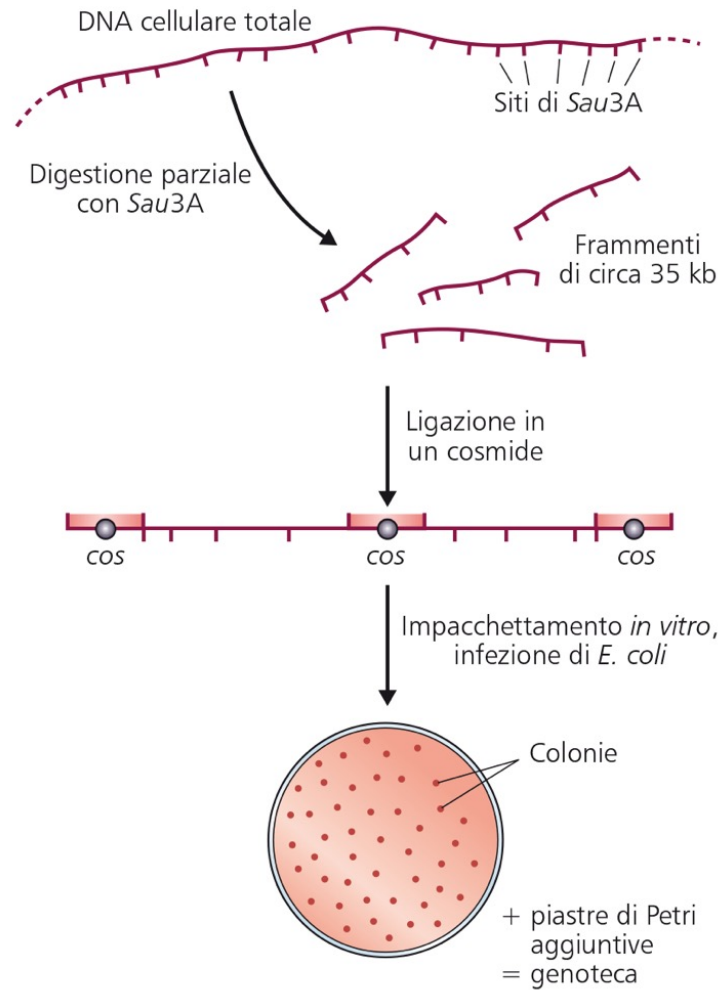


(d) Piastramento su terreno minimo



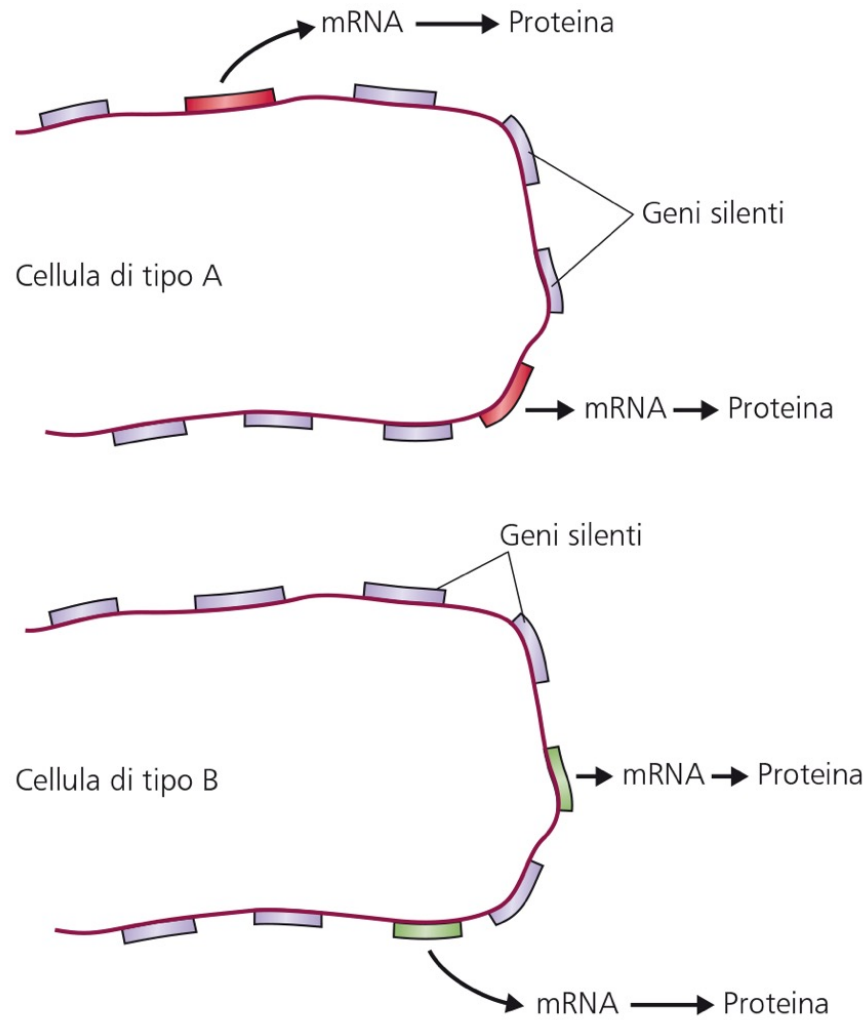
Selezione diretta

Isolamento di cloni

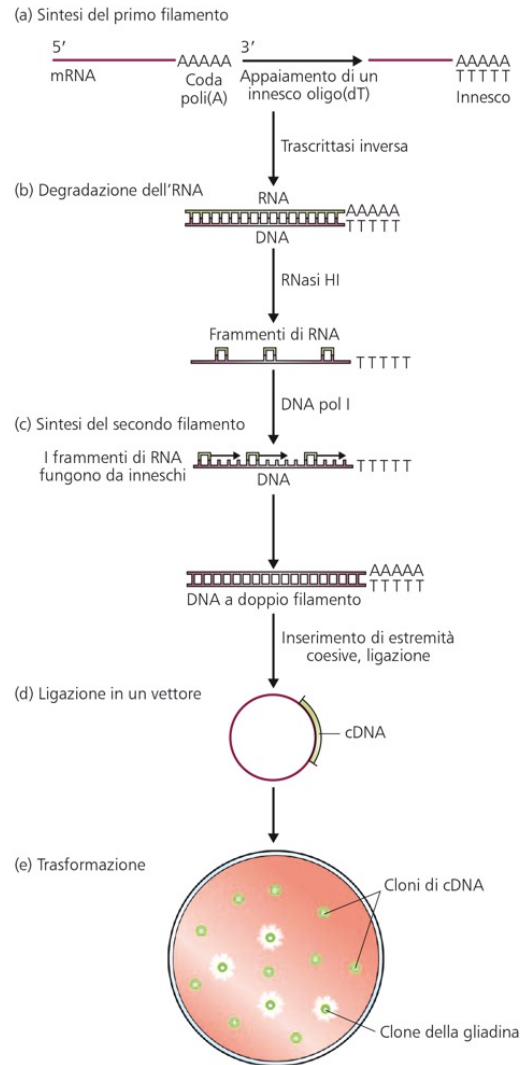


Genoteca

Isolamento di cloni-cDNA

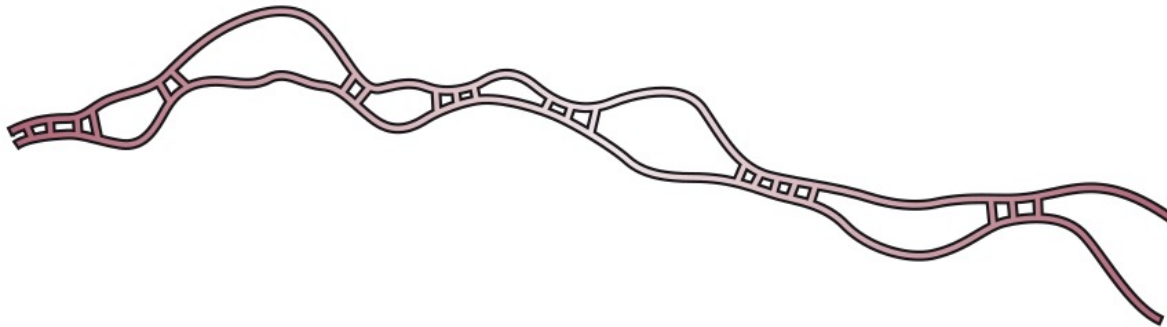


Isolamento di cloni-cDNA

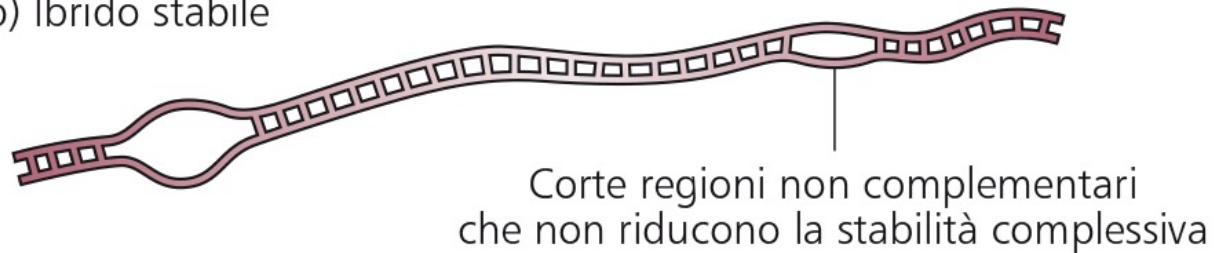


Isolamento di cloni-Sonde

(a) Ibrido instabile



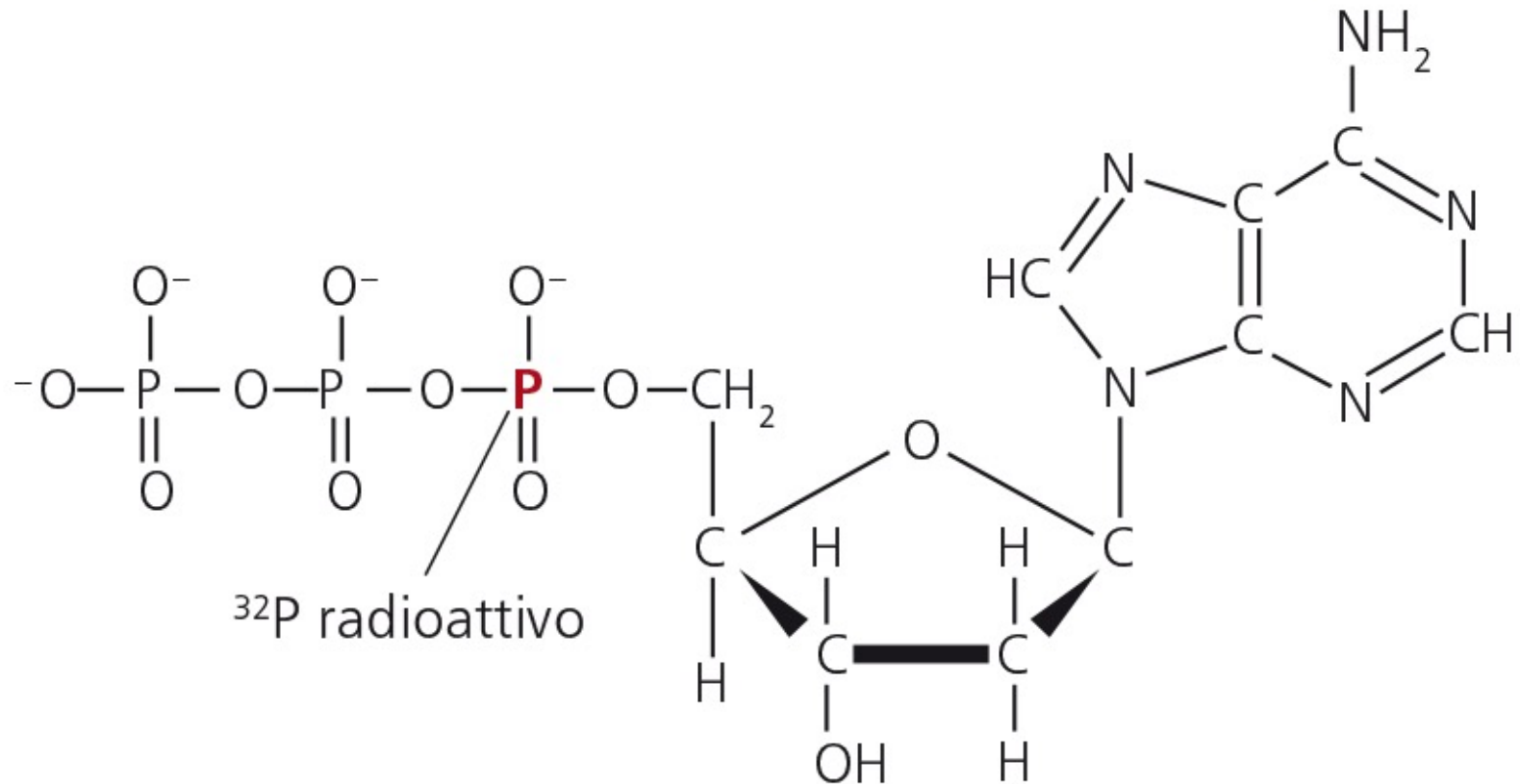
(b) Ibrido stabile



(c) Ibrido DNA-RNA

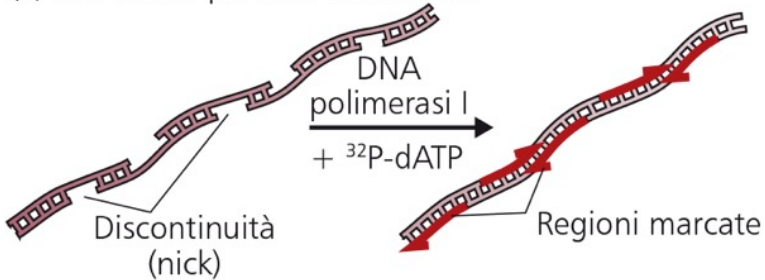


Isolamento di cloni-Sonde

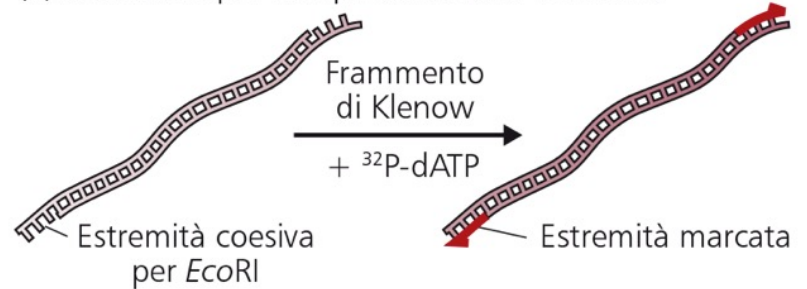


Isolamento di cloni-Sonde

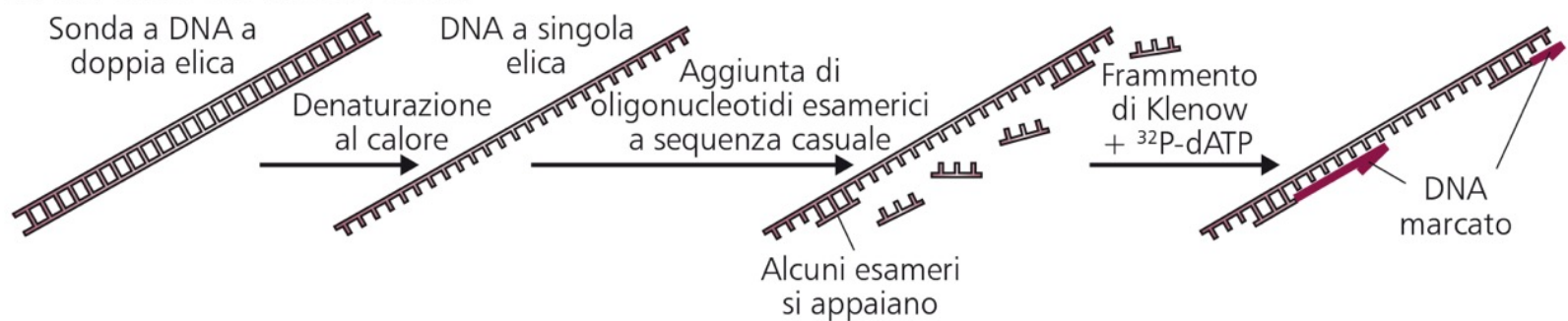
(a) Marcatura per nick translation



(b) Marcatura per riempimento delle estremità

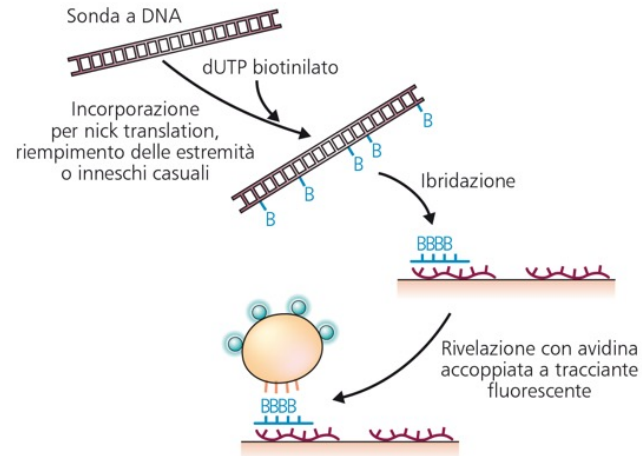


(c) Marcatura con inneschi casuali

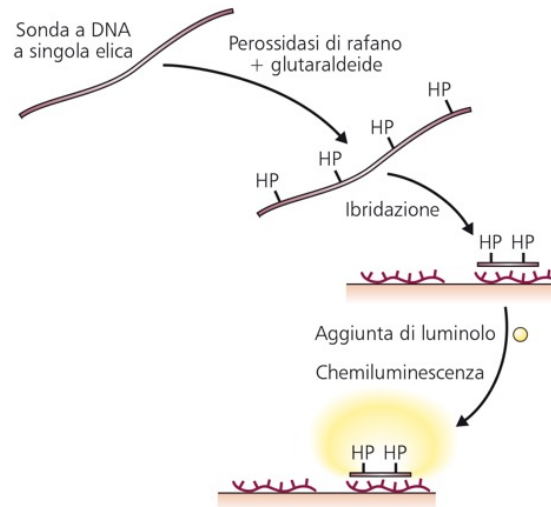


Isolamento di cloni-Sonde

(a) Marcatura con nucleotidi biotinilati



(b) Marcatura con perossidasi di rafano (*horseradish*)



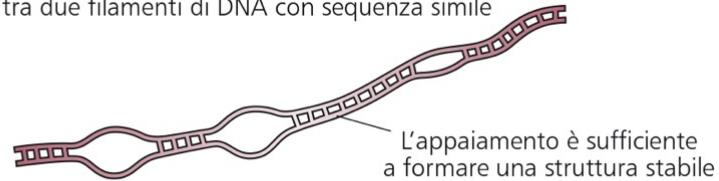
Isolamento di cloni-Sonde

GLY-SER-ALA-LYS-LYS-GLY-ALA-THR-LEU-PHE-LYS-THR-ARG-CYS-GLU¹⁵
LEU-CYS-HIS-THR-VAL-GLU-LYS-GLY-GLY-PRO-HIS-LYS-VAL-GLY-PRO³⁰
ASN-LEU-HIS-GLY-GLY-GLY-ILE-PHE-ARG-HIS-SER-GLN-ALA-GLN-GLY⁴⁵
TYR-SER-TYR-THR-ASP-ALA-ASN-ILE-LYS-LYS-ASN-VAL-LEU-TRP-ASP⁶⁰
GLU-ASN-ASN-MET-SER-GLU-TYR-LEU-THR-ASN-PRO-LYS-LYS-TYR-ILE⁷⁵
PRO-GLY-THR-LYS-MET-ALA-PHE-GLY-GLY-LEU-LYS-LYS-GLU-LYS-ASP⁹⁰
ARG-ASN-ASP-LEU-ILE-THR-TYR-LEU-LYS-LYS-ALA-CYS-GLU¹⁰³

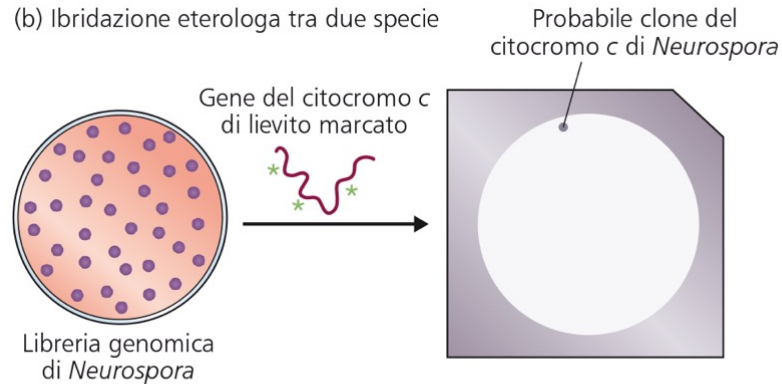
Citocromo C - Yeast

Isolamento di cloni-Sonde

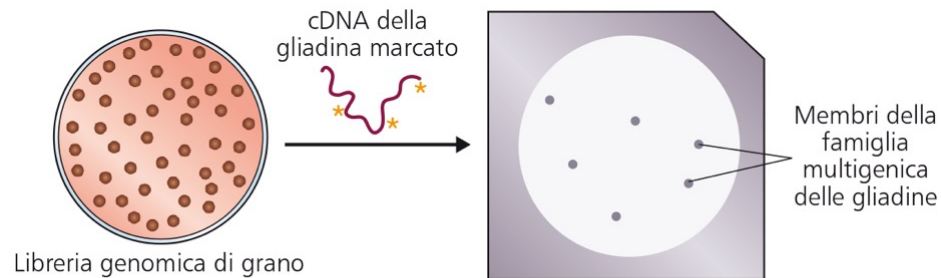
(a) Ibrido tra due filamenti di DNA con sequenza simile



(b) Ibridazione eterologa tra due specie

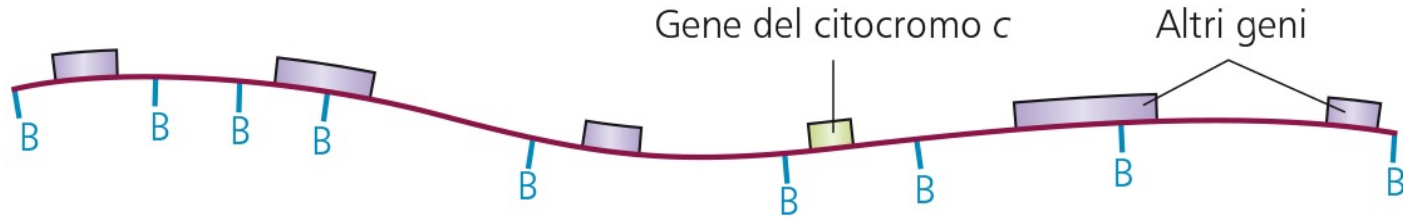


(c) Ibridazione eterologa all'interno della stessa specie

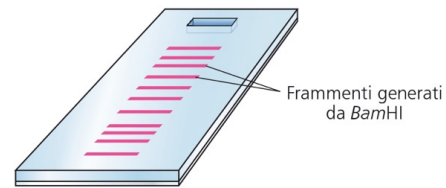


Sonde eterologhe

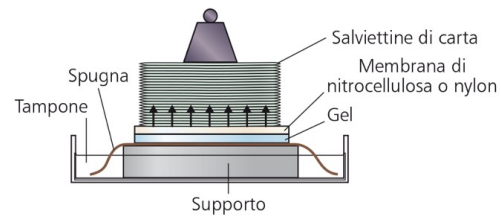
Isolamento di cloni-Sonde



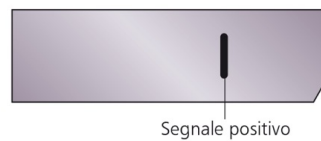
(a) Elettroforesi di DNA digerito con *Bam*HI



(b) Trasferimento Southern

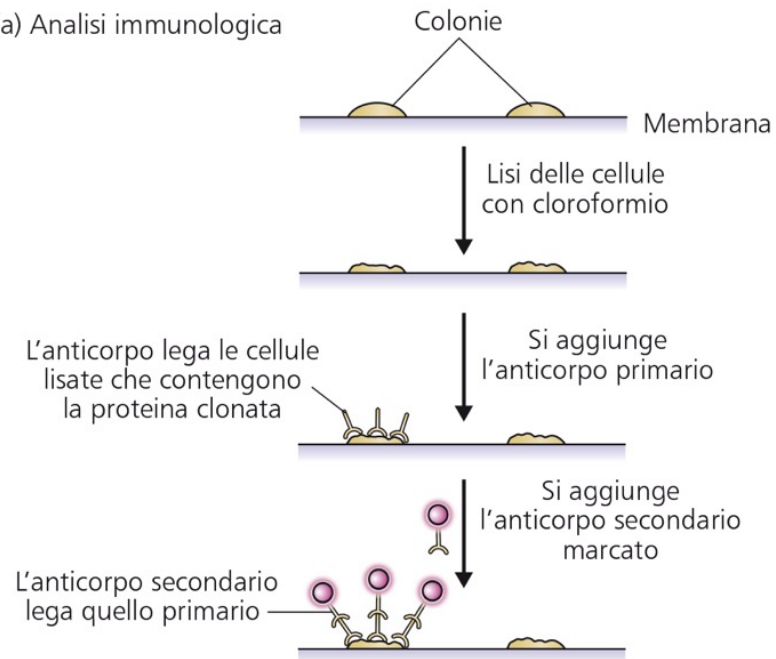


(c) Risultato dell'ibridazione con sonda

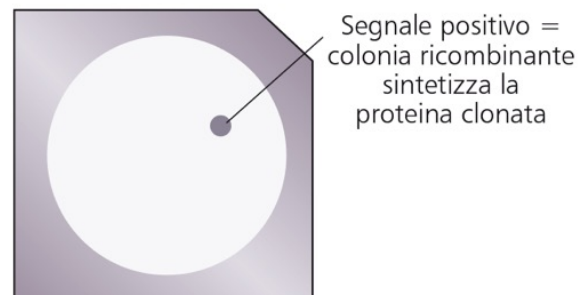


Isolamento di cloni-Sonde anticorpali

(a) Analisi immunologica

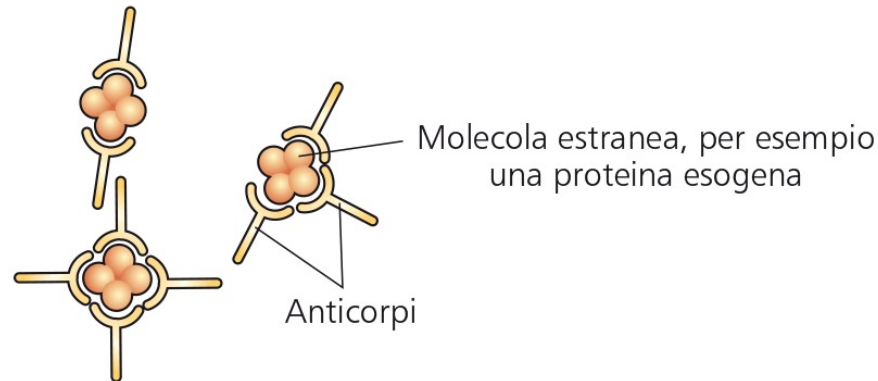


(b) Risultato dell'autoradiografia



Isolamento di cloni-Sonde anticorpali

(a) Gli anticorpi legano molecole estranee



(b) Purificazione degli anticorpi

