

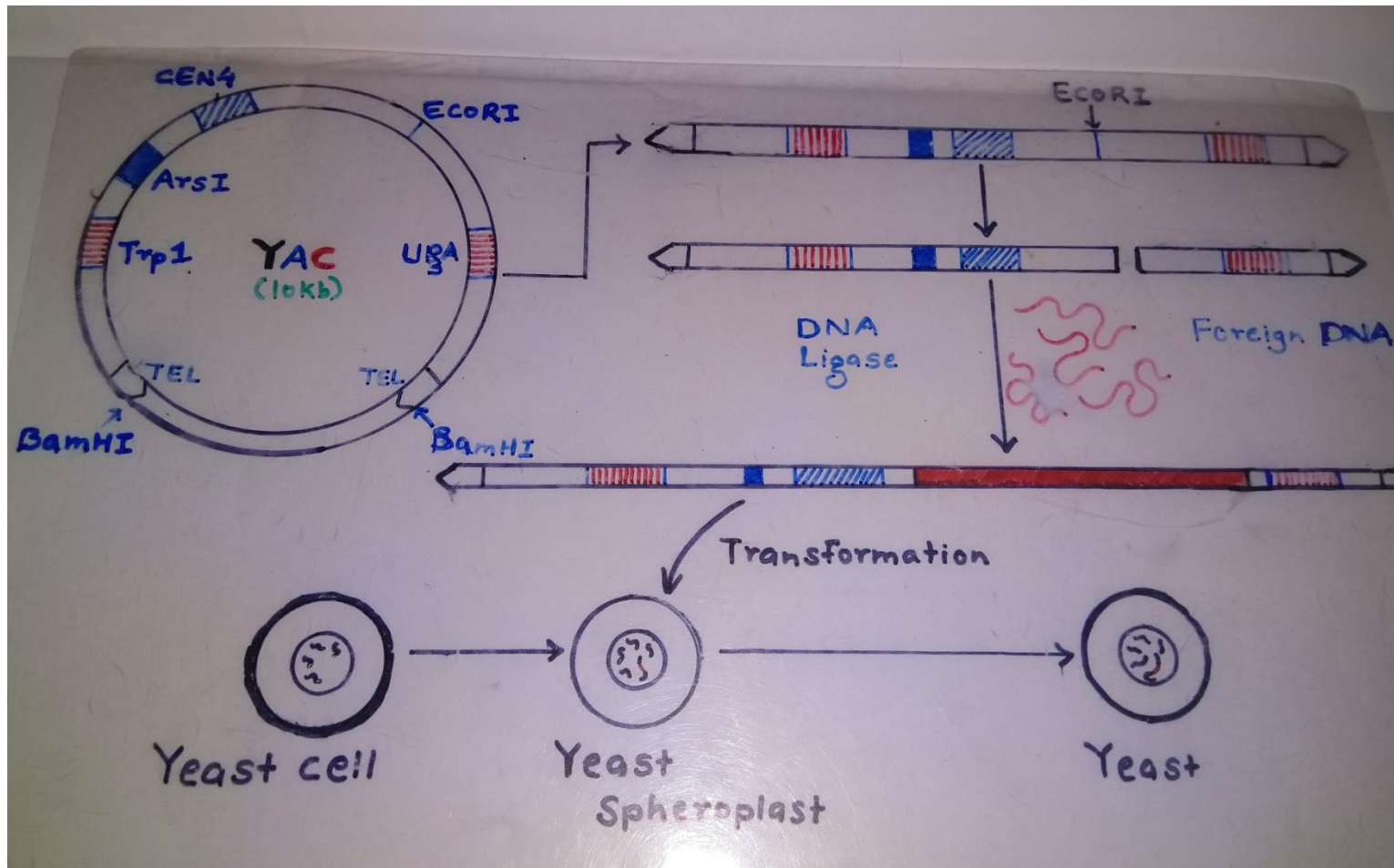
YAC

Yeast artificial chromosome

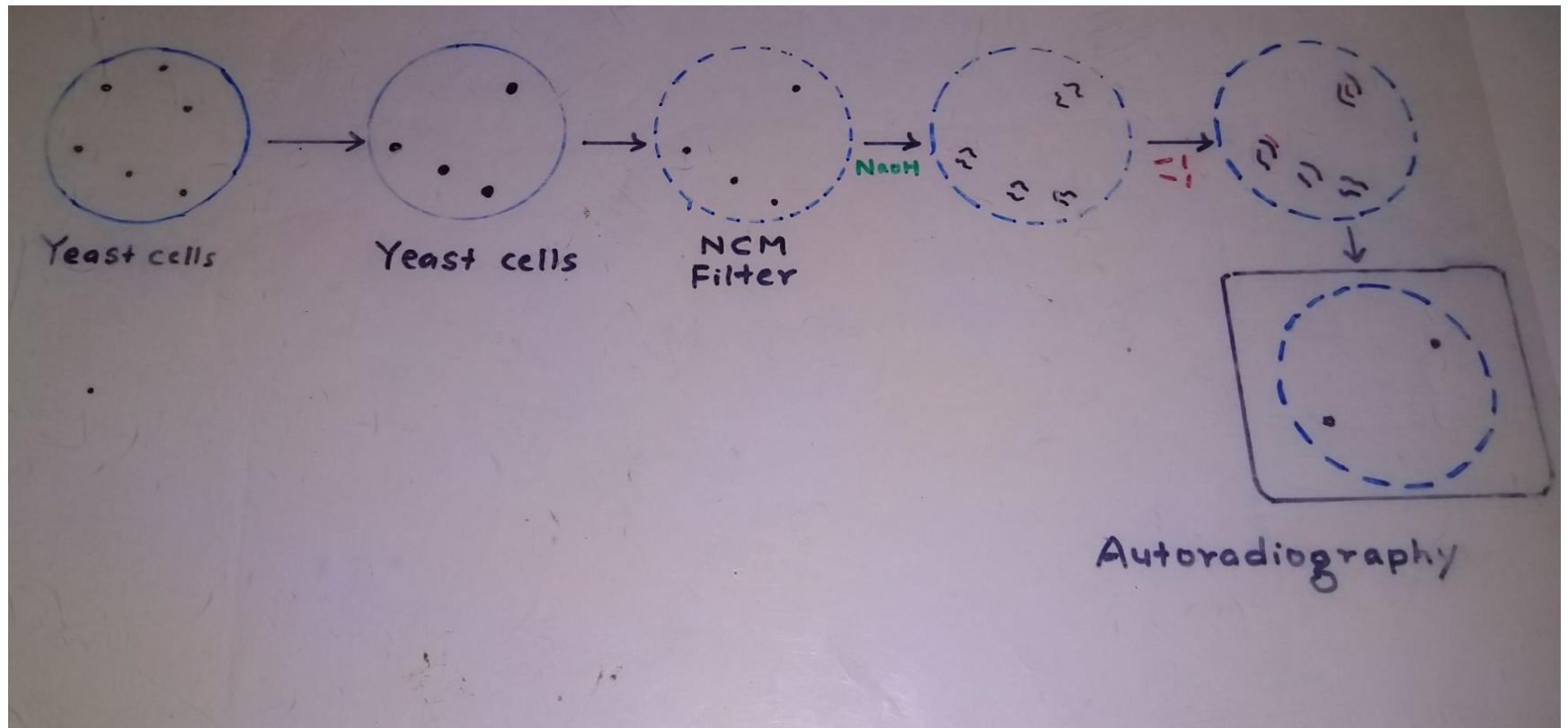
Properties of YAC

- Molecular size of YAC is 10Kb
- ARS 1 (Autonomously replicating sequence)
- Telomeric sequences
- Centromeric region from Chr.no.4
- Trp1 gene
- URA3 gene
- One or more unique RS
- Capacity of YAC is ~1000Kb long foreign DNA

Cloning of foreign DNA using YAC



Screening of recombinants



Colony hybridization

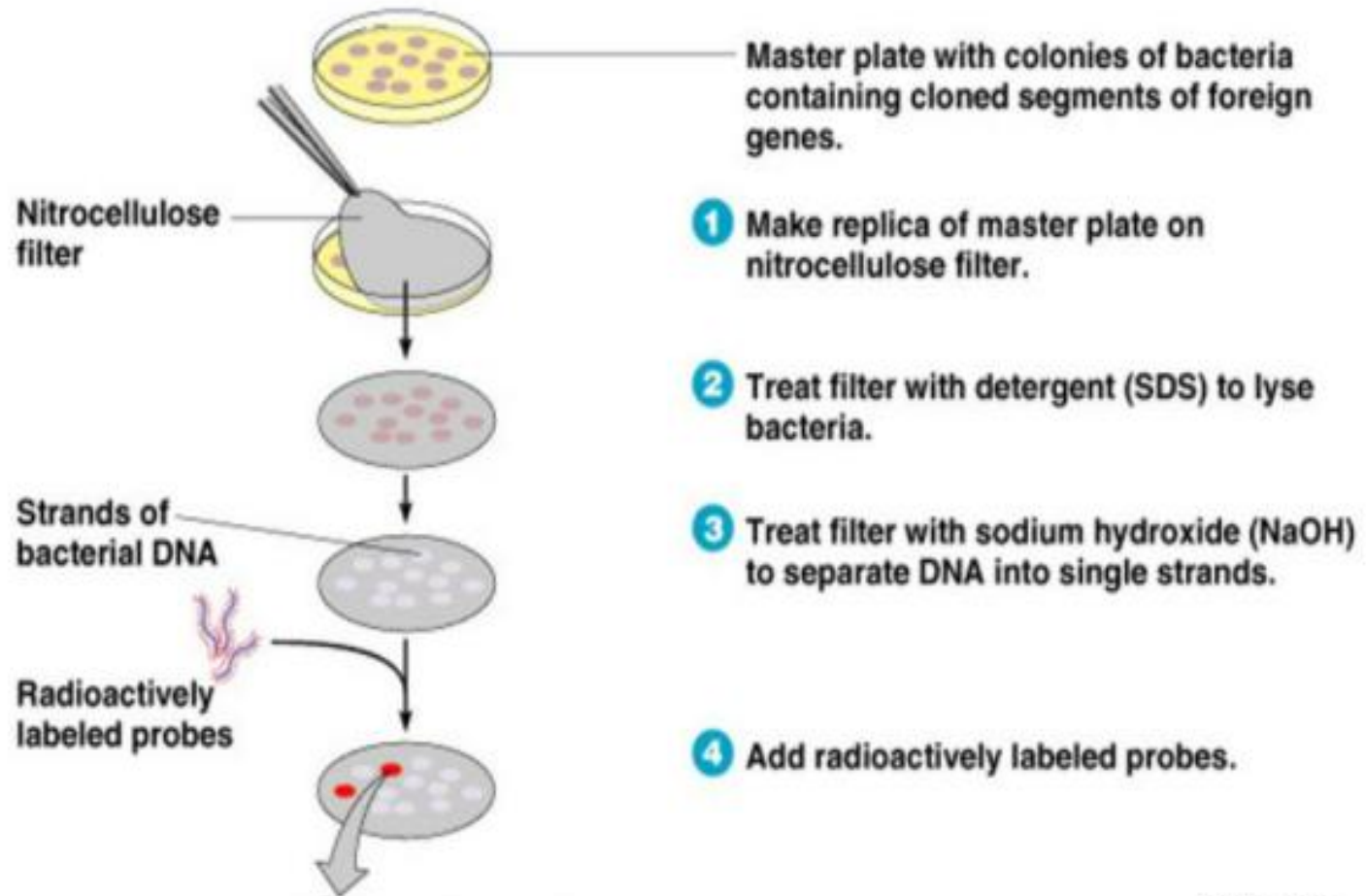


Figure 9.12.1

Application

- Gene mapping
- Chromosome walking

спасибо

GRACIAS

谢谢

THANK YOU

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