Exp.18
Extraction of RNP from Yeast

- Exp.18/Exp.19目的:

1) 酵母核酸萃取的方法
2) 瞭解核酸的組成
3) 鑑定核酸組成的方法和操作

- 在本實驗中通過用稀鹼溶液或濃鹽溶液加熱活性幹酵母，從酵母中分離出核蛋白（RNP、RNA 和蛋白質複合物）。 它涉及細胞膜的破壞或改變滲透性，然後RNP在溶液中釋放。 離心並丟棄細胞碎片。 通過用 HCl 溶液改變 pH 值並加入乙醇，使 RNP 沉澱。

Reagents:

1) Yeast
2) 10% NaCl
3) Ethanol
4) HCl
5) pH paper

Procedure:

Weigh 1.5 g of yeast in a 100ml beaker

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add 20 ml of 10% NaCl

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Heat the solution for 30~40 minutes in a boiling water bath

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Centrifuge and collect the solution in another centrifuge tube

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After the solution is cooled

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add 5 ml of ethanol and adjust to pH ~3 with HCl (using pH paper)

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Centrifuge and save the crude RNP pellet for next experiment.

Results :

- Record your observations.