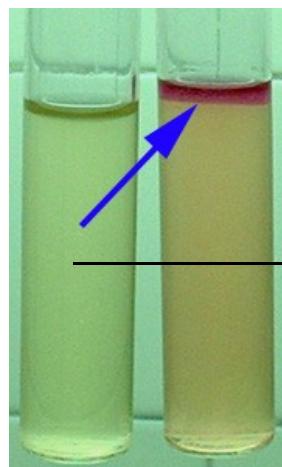
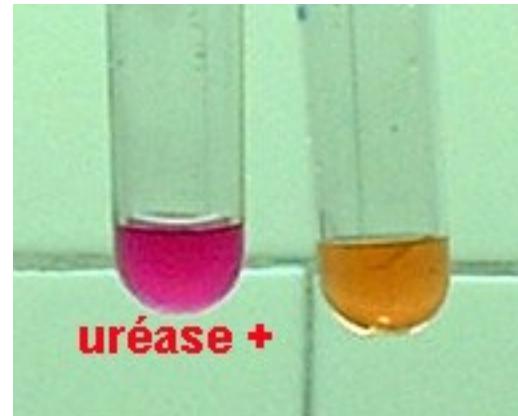


# UREA Indole medium

• L-Tryptophan	3g
• Urea	20g
• K <sub>2</sub> HPO <sub>4</sub>	1g
• KH <sub>2</sub> PO <sub>4</sub>	1g
• NaCl	5g
• Alcohol 95°	10mL
• Phenol red	25mg
• Water (qsp)	1L

# Two tests in a single incubation

- Urease
- $\text{H}_2\text{N}-\text{CO}-\text{H}_2\text{N} + \text{H}_2\text{O} + \text{H}^+ \longrightarrow 2 \text{NH}_3 + \text{HCO}_3^-$



- Tryptophanase :
- Tryptophane +  $\text{H}_2\text{O} \longrightarrow$  Pyruvic acid + indole +  $\text{NH}_3$   
+ Kovaks reagent  
diméthyl-amino-4-benzaldéhyde