

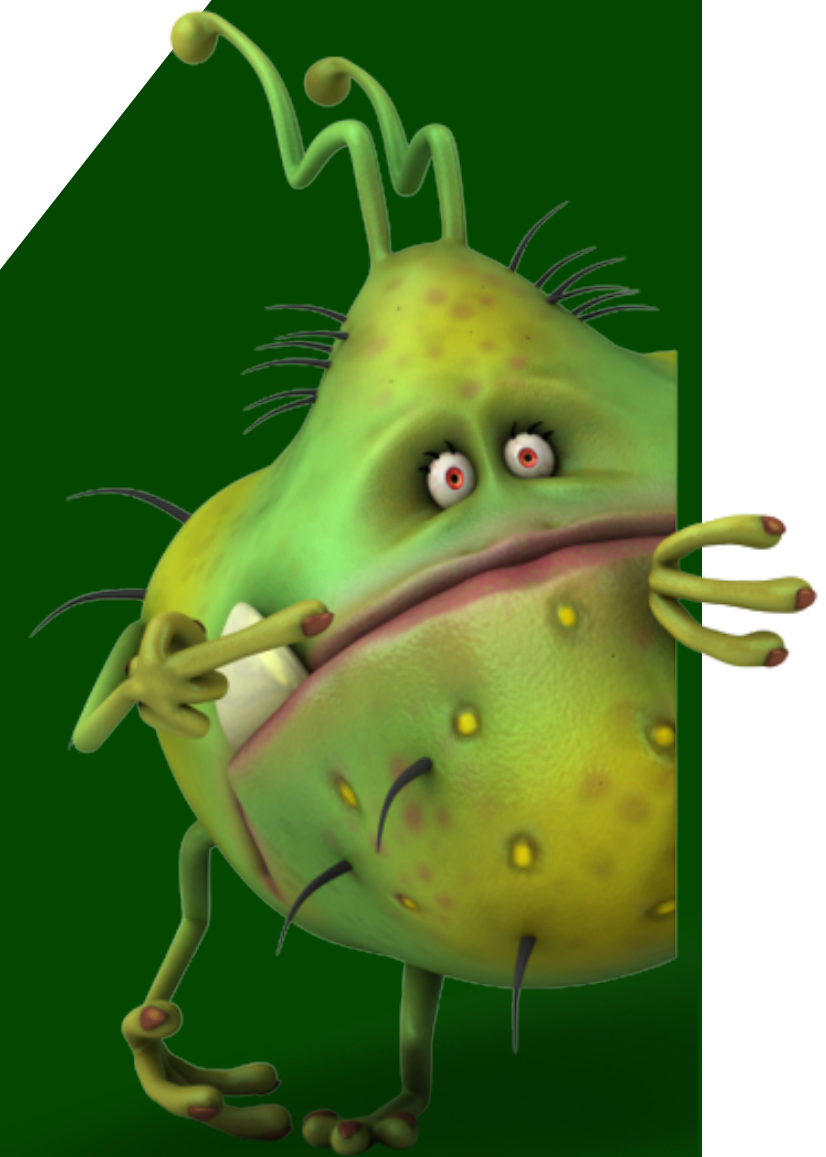


# MICROBES IN HOUSEHOLD PRODUCTS

PRESENTATION

# MICROBES :

- **Microbes are the organism which can not be seen in naked eye. They can be seen under microscope.**
- **Microbes are found in all habitat. They may be protozoans, fungi, bacteria or virus.**
- **Most of microbes are usefull to human beings. They are used in daily life in house hold products.**



# Uses ?

- **Curd** : curd is formed by adding small amount of curd to milk.

Lactobacillus bacteria and Lactic acid Bacteria (LAB) present in starter multiplies in suitable temp and converts milk in to curd.



# Uses ?





# Uses ?



# Uses ?



# Uses ?



# Uses ?





# Uses ?



# Uses ?

- Antibiotics :
  - *Penicillium notatum*



# Uses ?

- **Organic acids:** The organic acids are extracted by microbes.
  - Citric acid → fungi *Aspergillus*
  - Acetic acid → bacteria *Acetobacter*
  - Lactic acid → *Lactobacillus*
- **Organic acids:** Useful enzymes of industrial importance are proteases, pectinases, Lipases, cellulases. These are extracted by microbes.

**Thank You**

