

ACITEC[®] -A GR



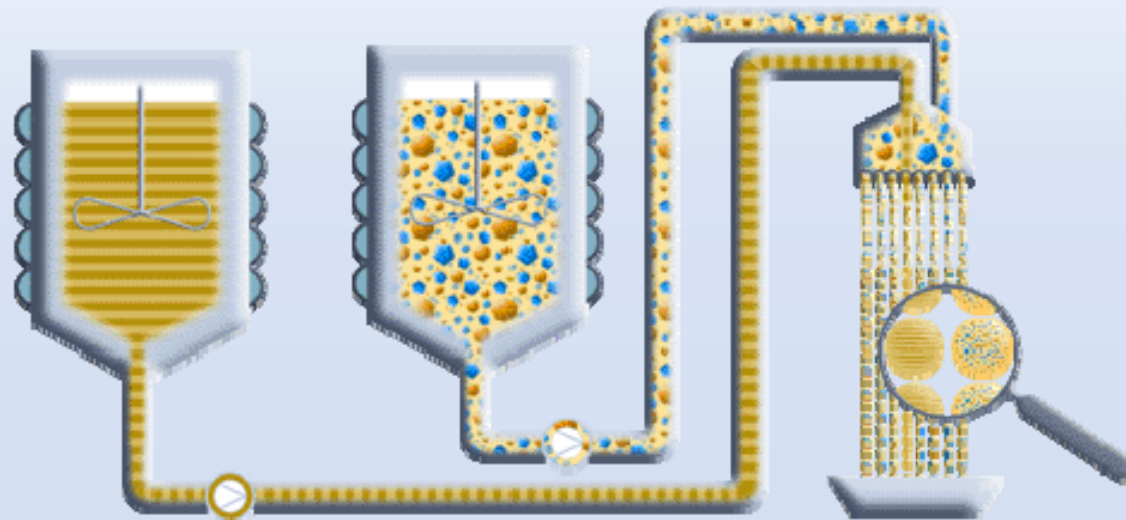
**Protected Acidifier
for Poultry Farming**



ACITEC -A GR, protected acidifier for poultry by

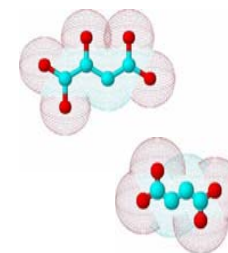
ACITEC[®] -A GR

- Tecnovit is the “new” specialist in protected and micro-capsulated products.
- Tecnovit a company with the experience in the design and comercialization of additives for animal feeding
- f* Tecnovit has developed an acidifier in combination with aromas and flavouring substances of synergistic effect.



Composition:

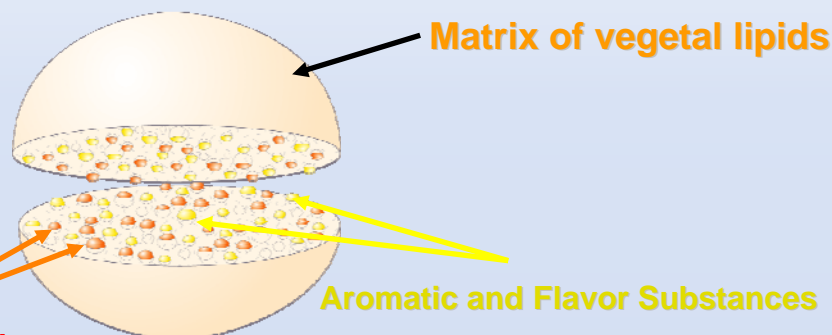
- **(E 296) D,L-MALIC ACID** 20 % (55,8 g/100 g water)
- **(E 297) FUMARIC ACID** 25 % (0,63 g/100 g water)
- Mixture of aromatic and flavouring substances
- Capsule composed of the **lipids of plant origin**



ACITEC-A GR is not corrosive

ACITEC-A GR does not influence other feed ingredients

ACITEC-A GR is a product protected with plant oil matrix



ACITEC-A GR, protected acidifier for poultry

- The presence of flavouring and aromatic substances intensifies the acid action
- The activity extends up to the end of intestinal tract

FLAVOURING SUBSTANCES



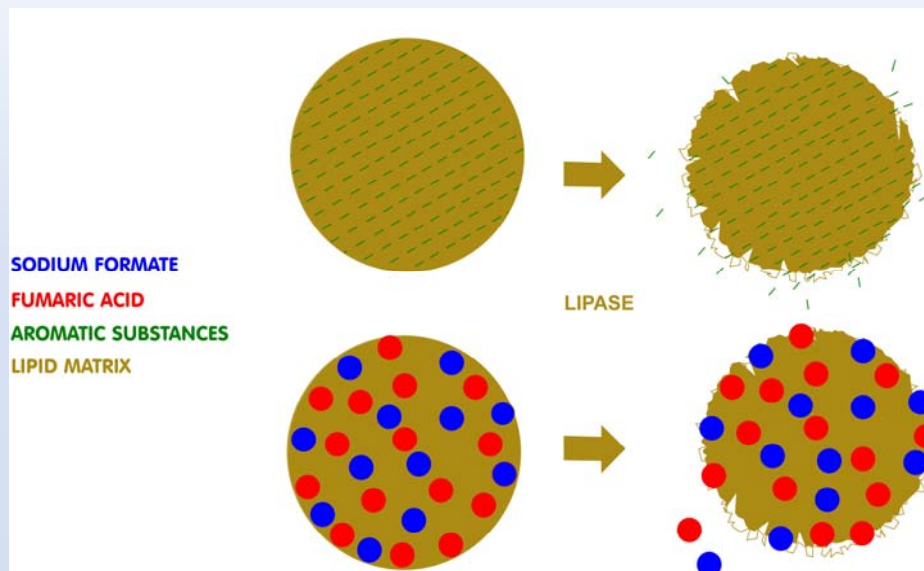
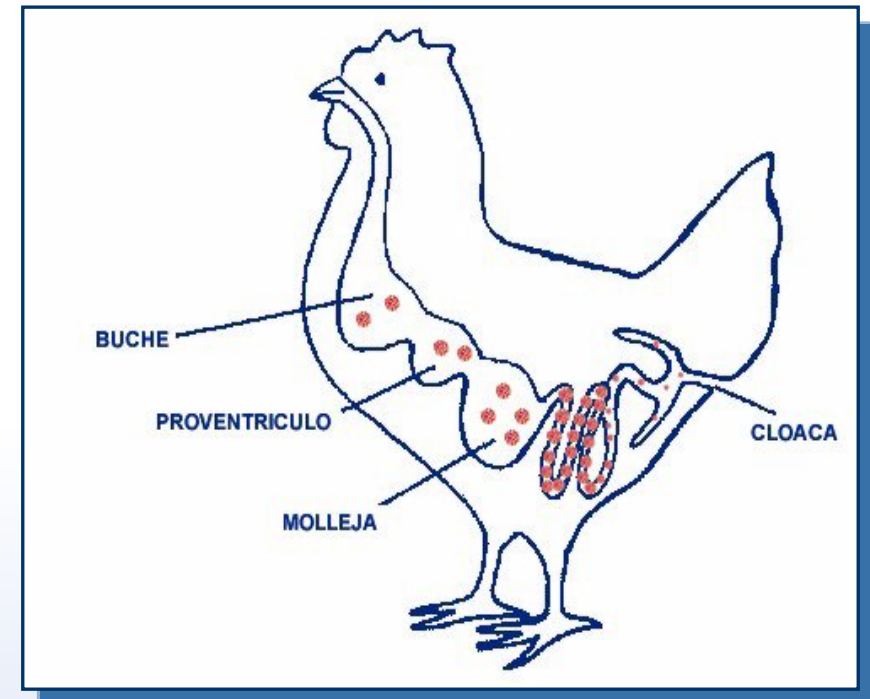
- A mixture of aromatic and flavouring substances, identical to natural, is used, corresponding to :
 - f* Oregano (*Origanum vulgare*)
 - f* Thyme (*Thymus vulgaris*)
 - f* Cinnamon (*Cinnamomum* sp)
- The mixture has got antimicrobial, antioxidant and endogenous enzyme stimulation (mainly lipase and trypsin) properties

WAY OF PROTECTION

- The acids and flavouring substances are protected with the capsules of vegetable oil (melting point 60-65 °C), obtaining microgranules
- The protection ensures better handling, avoiding reactions with other premix or feed components, ensuring that the acids reach the end of the intestine.

WAY OF LIBERATION

- Under the action of lipases and bile salts, the capsule dissolves, liberating acids and aromatic substances



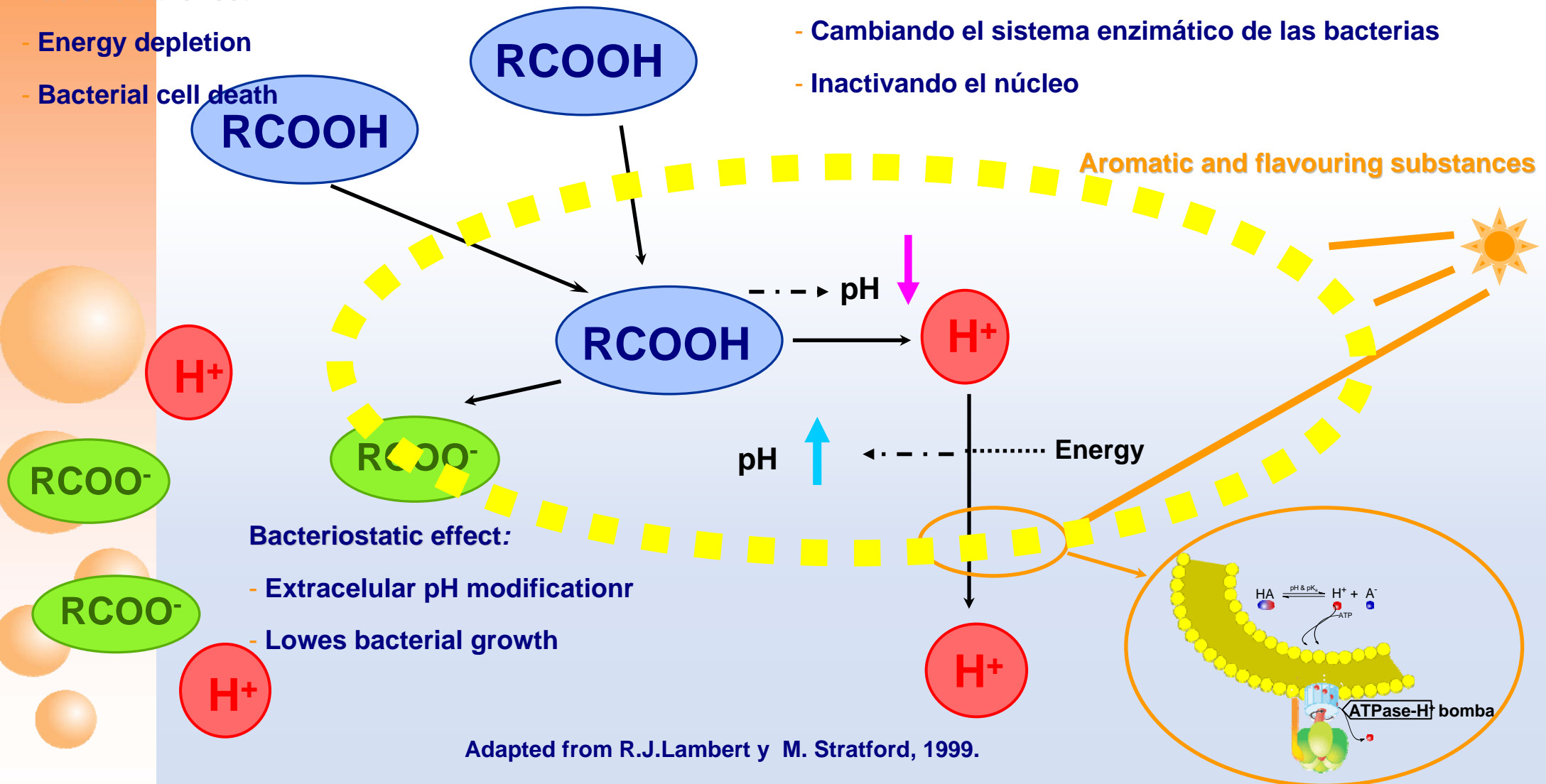
SYNERGY BETWEEN ORGANIC ACIDS AND AROMATIC SUBSTANCES

Bactericidal effect:

- Energy depletion
- Bacterial cell death

Las sustancias aromáticas y saborizantes actúan como:

- Cambiando el sistema enzimático de las bacterias
- Inactivando el núcleo



Bacteriostatic effect:

- Extracelular pH modification
- Lowes bacterial growth

Adapted from R.J.Lambert y M. Stratford, 1999.