

Animal Feeds Department

TORULA YEAST

(production of biomass for animal feeds)

The solutions (culture broths) that have been used in a variety of sectors (the “pharmaceutical” industry not being the last) and no longer concern a specific sector, can be used to produce biomass by the growth and multiplication of yeasts.

The chemical-physical analysis carried out by the automatic analyzers are aimed at the automatic regulation of concentration processes.

A plant for the production of biomass from by-products can be represented as shown in the diagram below.

PROCESSES INVOLVED:**Concentration**

The solutions containing yeast are subjected to centrifuging to separate the yeast from water, the yeasts are lyophilized, while the solution containing a large amount of proteins is concentrated and also sent for lyophilization.

For the concentration phase the **UR20** refractometer is used, having a scale in **BRIX** degrees or **% DRY**. (dry residue), mounted on the concentrator outlet pipe.

