



SCIENTIFIC LITERATURE STUDY

The product development process starts with a thorough literature investigation on relevant scientific studies and consultation of Key Opinion Leaders in the field.



INDICATION-SPECIFIC STRAIN SELECTION

For each indication, specific strains are selected based on characteristics of the bacteria and working mechanisms involved. Bacterial strains are tested for compatibility



FERMENTATION

When the right bacterial strains have been selected, the fermentation process starts. Our in house knowledge enables us to adjust the fermenting conditions in such a way that, during their growth, bacteria develop favourable characteristics.

The complete formulation is tested *in vitro* on real time stability, gastrointestinal survival and metabolic activity. In addition, we perform formulation specific experiments such as inhibition of pathogens or permeability of the intestinal barrier function.



IN VITRO TESTING

The blending of the bacteria and ingredients takes place under very strict protocols and conditions in a climate controlled production room. Winclove's is a (GMP) facility for dietary supplements and has ISO 22000:2005 certification.



PRODUCTION

To increase shelf life, gastro-intestinal survival and metabolic activity of the bacteria, nutritional and protective ingredients of the PROBIOACT® are added to the formulation.



PROBIOACT® TECHNOLOGY



ORGANOLAPTIC TESTING

Before packaging we control the quality of our products by physical, microbiological and organoleptic analyses. This to secure high quality requirements of our probiotic formulations.



PACKAGING

Our probiotic formulations are available as bulk deliveries or as finished products, ready to market under your own brand. Winclove's formulations can be stored at room temperature and have an average shelf life of 1-2 and sometimes 3 years



TRANSPORT

The products are now ready for transport to our customers all over the world!



IN VIVO TESTING

The formulations in our Ecologic® brand are tested *in vivo* on their effectiveness. A positive peer reviewed trial is required to brand product an Ecologic®.

