Here we give an explanation of the different germcount packages. The (ABC) code behind the name is our labcode for that package. If you have any questions, please mail to info.agro@normecgroup.com.

Germcount basis (MKG)
Germcount Basic is often used to monitor the effectiveness of the disinfecting unit. In this package, general bacteria and fungi are counted BEFORE and AFTER the disinfection process, without further consideration of plant diseases. After disinfection, it is strongly recommended to also count plant diseases, mentioned in the other packages . For sampling water at the unit we recommend to see to very hygienic sampling.

Germcount extented (MSP)
Germcount extended is suitable for determining the infection pressure in water as well as on young plant material. For both greenhouse crops and propagation it is good to monitor drain and irrigation water for healthy water and plant growth. Testing young plants in propagation ensures that young plants are free of living Fusarium, Pythium, and Phytophthora. For plants sent us 10 pieces op seedlings/cuttings.

Germcount concentrated (MZG)
Normec Groen Agro Control developed this package to detect micros in 'healthy' water such as irrigation water of fresh water. Therefore, for clean irrigation water, we offer 'Germcount Concentrated' package. This is specifically designed to monitor not only bacteria and fungi but also plant diseases like Fusarium and Pythium/Phytophthora at the lowest level. We test it in a larger volume to accurately detect lower values as well. With this 'concentrated' method, the sample is tested in detail for living spores of Fusarium spp. Per 50ml, and for Pythium spp., and Phytophthora spp. in 100 ml water.

Germcount Resilient Root (MSW), or Germcount Resilient Water (MWW)
For a more balanced analysis, we also offer packages that provide insight into resilience microorganisms. This Germcount Resilient package (LabCode MSW/for water and MWW/for roots) can be tested in both water and roots. It counts general microorganisms as well as plant diseases and antagonists.

Germcount extended with Pythium and Phytophthora per 1, 5, 25 and 100 ml (MSU)
Same as MPS but additional we make extra dilution to semi-quantify Pythium and Phytophthora in 1, 5, 25 and 100ml. For this extra treatments are needed but is gives more details on those 2 most important plant diseases.

Quantification of Antagonistic Microorganisms
We can also determine the number of microorganisms in the delivered packaging check the quantities, or to understand the dose in water or what remains in the drainage water after several weeks. Examples are fluorescent Pseudomonas, Lactic Acid Bacteria, Trichoderma spp., and Bacillus spp. Please specify the type of sample on the order form, so we understand what to expect (pure matter, solution, drain etc).

- **Germcount Trichoderma spp. (MUT)**
- **Germcount Bacillus spp. (MUB)**
- **Germcount Fluorescent Pseudomonas (MUP)**

Germcount Anaerobic Bacteria (MII)
Sufficient oxygen in water and substrate is a challenge during the summer with higher temperatures. Normally, we determine aerobic bacteria in water at 30 degrees Celsius. Under anaerobic, oxygen-poor conditions, anaerobic bacteria thrive more. On your request we can also perform Germcount Anaerobic Bacteria in water.

Germcount Substrate (MSQ)
With Germcount Substrate we have created a package that indicates living microorganisms. That is to check fresh delivered substrate or during your crop phase. Since substrate germ counts can vary greatly, we have chosen to only indicate their presence or absence. Moreover, the sample we receive is often not 100% representative of the bulk product. On your request we can also report the c.f.u per gram soil.