Detection of *aerobic and facultative anaerobic bacterial contaminants* in Beer and brewing Yeasts

1. **Media:**

   - **BiMedia 630A** (Medium for bacterial contaminants in Beer)
   
   For the inhibition of brewing yeasts the medium can be supplemented with 6 mg/l sterile Actidion (Cycloheximide) shortly before using the media.

2. **Sample Preparation:**

   Beer samples can be used without further treatment.

   When filters are analysed add 1 ml filter sterilised (0.45 µm) beer as growth supplement to each measuring cell before or after insertion of the filter.

   When analysing brewing yeasts for bacterial contamination the sample suspensions can be used without further treatment. BiMedia 630A + 6mg/l Actidon can be used without the addition of sterile beer as supplement.

3. **BacTrac-Settings:**

   - **Temperature:** 30°C
   - **Duration:** 48 hrs (72 hrs optional)
   - **Interval time:** 10 min
   - **Delay time:** 1 hour
   - **Evaluation type:** X (M or E)
   - **Scale:**
     - M-value: -5 to 30%
     - E-value: -5 to 20%
   - **Threshold(s):**
     - M-value: 5%
     - E-value: 7%

   Inoculate the measuring cell (17 ml medium) with 1 ml homogenised sample.

4. **Calibration / Result evaluation:**

   For quantification of the bacterial contamination a calibration has to be established. Presence/ Absence investigations can be performed without any calibration. A positive signal within the measurement time is a proof for the presence of bacterial contaminants.