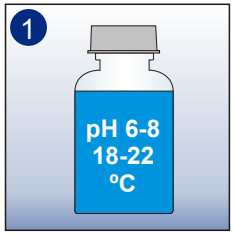
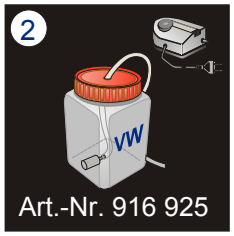
# *NANOCOLOR*® $BOD_5$ TT (Art.-No. 985 825)

MACHEREY-NAGEL

## 1. Preparations

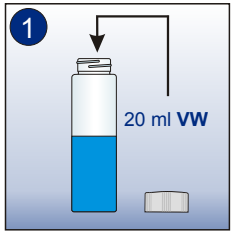



Sample

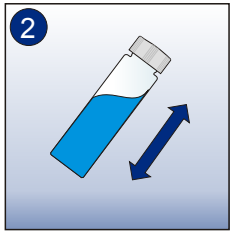



Dilution water
**(VW) 1 h** ventilate

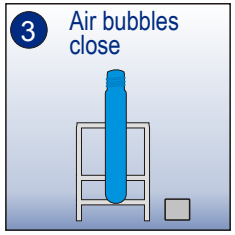
## 2. control approach



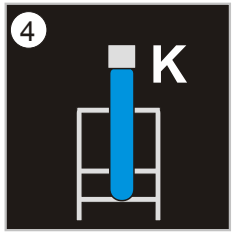

VW approach




**30 s** shake

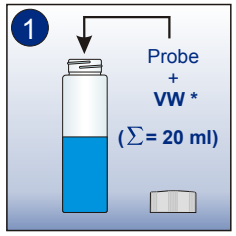


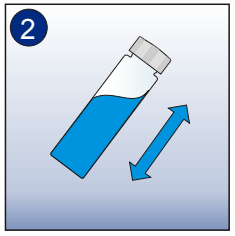

**1 Cuvette TT R0 with the control approach fill to the brim**




**5 Days in the dark at 20 ± 1 ° C.**

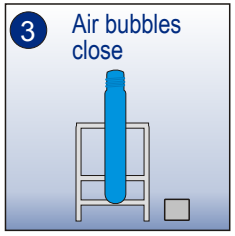
## 3. Sampling approach



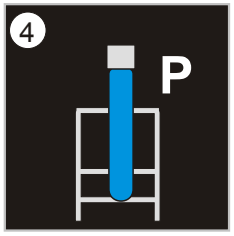




Sample approach+**VW 30s** shake

* Depending on dilution ratio




**1 Cuvette TT R0 with the sample fill to the brim**

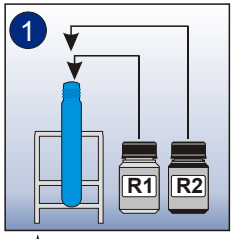



**5 Days in the dark at 20 ± 1 ° C.**

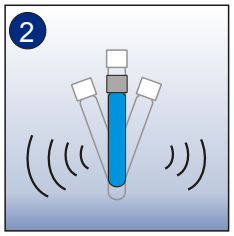
| | |
|---|---|
| **Measuring range:** | **2 - 3000 mg / l O2** |
| **Wavelength:** | **436 nm** |
| **Factor:** | **007.0** |
| **Response time:** | **5 days** |
| **Reaction temperature:** | **20 ± 1 ° C.** |

Before the test approach to the rubber stopper replaced by a screw cap!

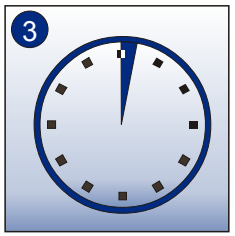
## 4. Oxygen measurement



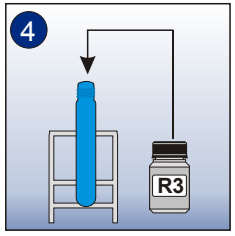

**2** BOD$_5$-RKT R1 +
**2** BOD$_5$-RKT R2



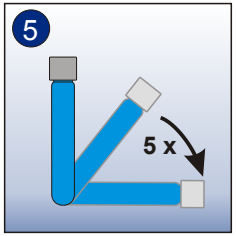

**Shake**



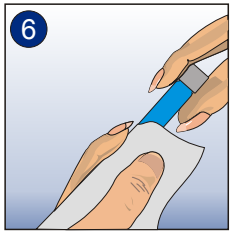

**2´00 min** wait




**5** BOD$_5$-RKT R3

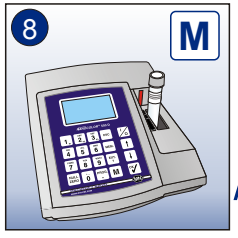



**Invert**




Clean


NULL comparison with the Approach to control K




Measure

From the photometer *NANOCOLOR*® 400 D method 8251

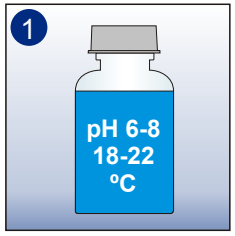
The oxygen determination is made
Cells incubated with both **K + P**

**Tag 1** | **Tag 5**

# *NANOCOLOR*® $BOD_5$ TT (Art.-Nr. 985 825)

MACHEREY-NAGEL

## 1. preparations

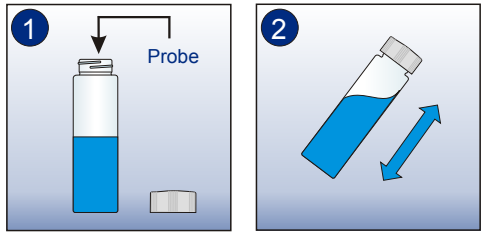



**Sample notice of pH and temperature**

A control batch is in the simplified Method is no longer necessary!

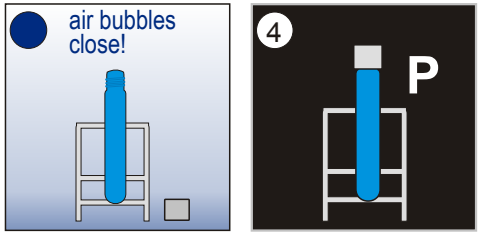
**simplified determination with undiluted rehearse**

## 2. sampling approach




**20 ml** undiluted sample

**30 s** shake



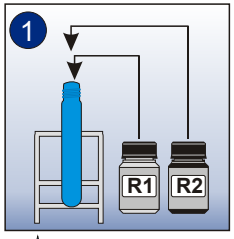

**1 flask TT R0 with the sample fill to the brim**

**5 days in the dark at 20 ± 1 ° C. incubate**

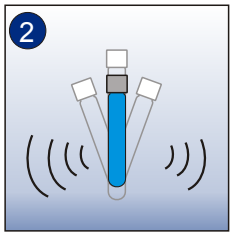
| | |
|---|---|
| **Measuring range:** | **0.5 - 7.5 mg / l O2** |
| **Wavelength:** | **436 nm** |
| **Factor:** | **007.0** |
| **Response time:** | **5 days** |
| **Reaction temperature:** | **20 ± 1 ° C.** |

Before the test approach the rubber stopper replaced by a screw cap!

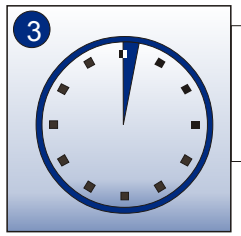
## 3. oxygen measurement



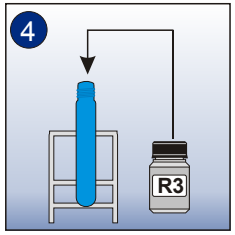

**2** $BOD_5$-RKT R1 +
**2** $BOD_5$-RKT R2



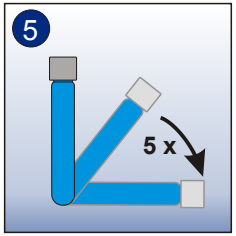

**air bubbles closed and shake**



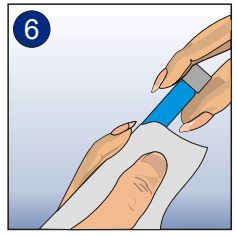

**2´00 min** wait



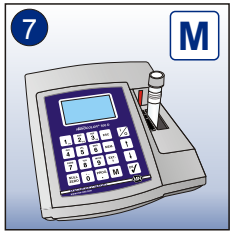

**5** $BOD_5$-RKT R3




**air bubbles closed and invert a few times**




Clean




Measure

From the photometer *NANOCOLOR* ® 400 D method 8252

The determination of oxygen takes place only with the incubated cell **P**

**Tag 1** **Tag 5**