

MACHEREY-NAGEL  
VISOCOLOR<sup>®</sup> ECO

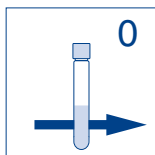


- Testanleitungen für photometerische Auswertungen
- Test instructions for photometric determinations
- Instructions pour évaluations photométriques
- Instrucciones para determinaciones fotométricas

# visicolor® ECO Alkalinität TA

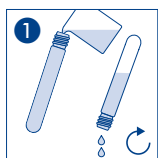
Alkalinity TA / Alcalinité TA / Alkalinidad TA

| Method(e) / Método                   | PF-3 Pool/<br>Drinking Water<br>450 / 590 nm | PF-12 <sup>Plus</sup><br>436 / 585 nm | Advance<br>436 / 585 nm |
|--------------------------------------|--|---------------------------------------|-------------------------|
| 5041 0.3–14.0 °d                     | ■  | ■                                     | ■                       |
| 5042 0.10–5.00 mmol/L H <sup>+</sup> | ■  | ■                                     | ■                       |
| 5043 0.4–17.5 °e                     | ■  | ■                                     | ■                       |
| 5044 0.5–25.0 °f                     | ■  | ■                                     | ■                       |
| 5045 5–250 mg/L CaCO <sub>3</sub>    | ■  | ■                                     | ■                       |

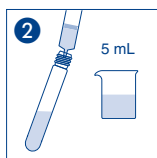


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

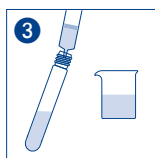
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



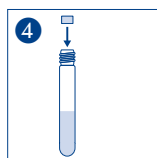
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



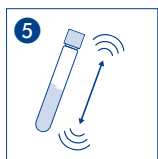
Probe  
Sample  
Echantillon  
Muestra



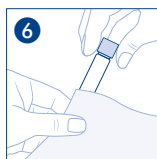
200 µL TA-1



1 NANOFIX TA-2



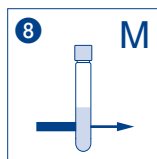
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere



Messung  
Measurement  
Mesure  
Medición

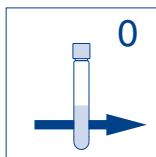
## Umrechnungstabelle / Conversion table / Tableau de conversion / Tabla de conversión

| °d | °e   | °f   | mg/L CaCO <sub>3</sub> | mmol/L H <sup>+</sup> | gpg |
|----|------|------|------------------------|-----------------------|-----|
| 1  | 1.3  | 1.8  | 18                     | 0.36                  | 1   |
| 2  | 2.5  | 3.6  | 36                     | 0.72                  | 2   |
| 3  | 3.8  | 5.4  | 54                     | 1.08                  | 3   |
| 4  | 5.0  | 7.1  | 71                     | 1.42                  | 4   |
| 5  | 6.3  | 8.9  | 89                     | 1.78                  | 5   |
| 6  | 7.5  | 10.7 | 107                    | 2.14                  | 6   |
| 7  | 8.8  | 12.5 | 125                    | 2.50                  | 7   |
| 8  | 10.0 | 14.3 | 143                    | 2.86                  | 8   |
| 9  | 11.3 | 16.1 | 161                    | 3.22                  | 9   |
| 10 | 12.5 | 17.8 | 178                    | 3.56                  | 10  |

# visicolor® ECO Ammonium 3

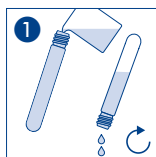
## Ammonium 3 / Ammonium 3 / Amonio 3

| Method(e) / Método |   | PF-3 Soil<br>660 nm | PF-3 Fish<br>660 nm | PF-12<br>690 nm | PF-12 <sup>Plus</sup><br>690 nm | Advance<br>690 nm |
|--------------------|---|---------------------|---------------------|-----------------|---------------------------------|-------------------|
| 5081               | 0.1–2.0 mg/L NH <sub>4</sub> -N           | ■                   | ■                   | ■               | ■                               | ■                 |
| 5082               | 0.1–2.5 mg/L NH <sub>4</sub> <sup>+</sup> | ■                   | ■                   | ■               | ■                               | ■                 |
| 5083               | 0.1–2.0 mg/L NH <sub>3</sub>              | ■                   | ■                   | ■               | ■                               | ■                 |

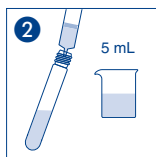


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

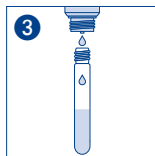
Geeignet für Meerwasser nach Verdünnung 1+9  
Suitable for sea water after dilution 1+9  
Convient à l'eau de mer après dilution 1+9  
Adecuado para el agua de mar tras su dilución 1+9



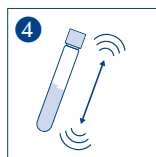
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



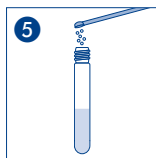
Probe  
Sample  
Echantillon  
Muestra



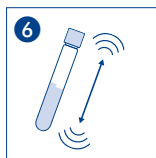
10 ∅ NH<sub>4</sub>-1



Schütteln  
Shake  
Agiter  
Agitar



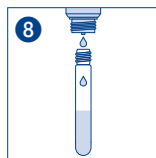
1 ∅ NH<sub>4</sub>-2



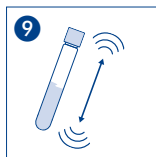
Schütteln  
Shake  
Agiter  
Agitar



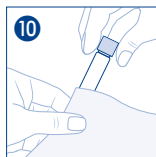
Warten  
Wait  
Attendre  
Espere



4 ∅ NH<sub>4</sub>-3



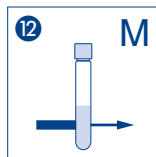
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

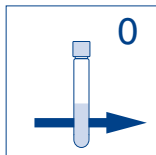


Messung  
Measurement  
Mesure  
Medición

# visicolor® ECO Ammonium 15

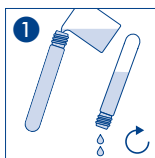
## Ammonium 15/Ammonium 15/Amonio 15

| Method(e) / Método |   | PF-12<br>585 nm | PF-12 <sup>Plus</sup><br>585 nm | Advance<br>585 nm |
|--------------------|---|-----------------|---------------------------------|-------------------|
| 5101               | 0.4–6.2 mg/L NH <sub>4</sub> -N           | ■               | ■                               | ■                 |
| 5102               | 0.5–8.0 mg/L NH <sub>4</sub> <sup>+</sup> | ■               | ■                               | ■                 |
| 5103               | 0.5–8.0 mg/L NH <sub>3</sub>              | ■               | ■                               | ■                 |

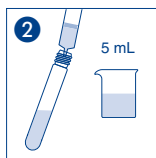


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

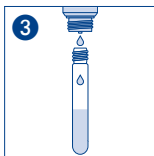
Geeignet für Meerwasser nach Verdünnung 1+9  
Suitable for sea water after dilution 1+9  
Convient à l'eau de mer après dilution 1+9  
Adecuado para el agua de mar tras su dilución 1+9



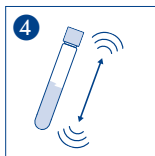
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



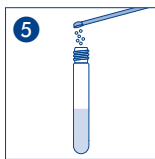
Probe  
Sample  
Echantillon  
Muestra



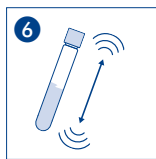
10 ∅ NH<sub>4</sub>-1



Schütteln  
Shake  
Agiter  
Agitar



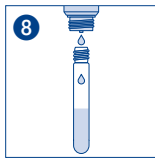
1 ∅ NH<sub>4</sub>-2



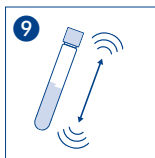
Schütteln  
Shake  
Agiter  
Agitar



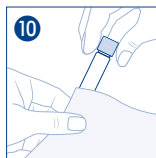
Warten  
Wait  
Attendre  
Espere



4 ∅ NH<sub>4</sub>-3



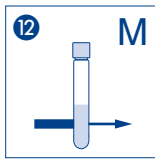
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

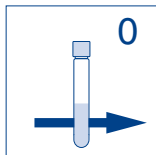


Messung  
Measurement  
Mesure  
Medición

# visicolor® ECO Brom (frei)

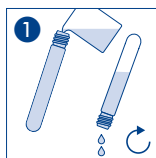
Bromine (free) / Brome (libre) / Bromo (libre)

| Method(e) / Método                   | PF-3 Pool/<br>Drinking Water<br>530 nm | PF-12<br>540 nm | PF-12 <sup>Plus</sup><br>540 nm | Advance<br>530 nm |
|--------------------------------------|--|-----------------|---------------------------------|-------------------|
| 5111 0.10–13.00 mg/L Br <sub>2</sub> | ■                                      | ■               | ■                               | ■                 |

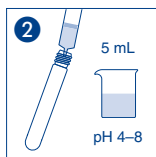


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

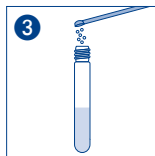
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



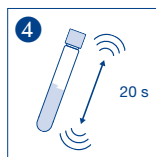
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



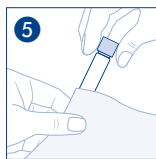
Probe  
Sample  
Echantillon  
Muestra



1  $\text{Br}_2$ -1



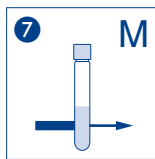
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

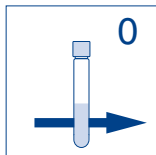


Messung  
Measurement  
Mesure  
Medición

# visicolor® ECO Brom (gesamt)

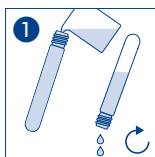
## Bromine (total) / Brome (totale) / Bromo (total)

| Method(e) / Método                   | PF-3 Pool /<br>Drinking Water | PF-12  | PF-12 <sup>Plus</sup> | Advance |
|--------------------------------------|-------------------------------|--------|-----------------------|---------|
| 5112 0.10–13.00 mg/L Br <sub>2</sub> | 530 nm                        | 540 nm | 540 nm                | 530 nm  |

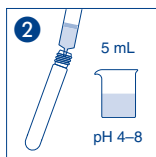


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

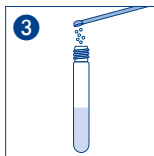
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



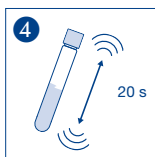
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



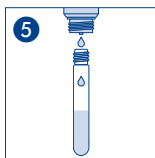
Probe  
Sample  
Echantillon  
Muestra



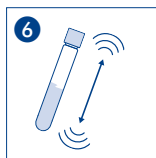
1  $\text{Br}_2$ -1



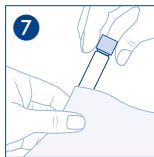
Schütteln  
Shake  
Agiter  
Agitar



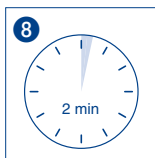
3  $\text{Br}_2$ -2



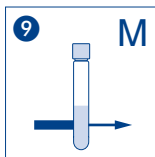
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere



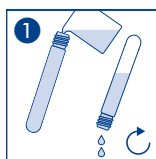
Messung  
Measurement  
Mesure  
Medición

**visocolor<sup>®</sup> ECO Brom (gebunden)**

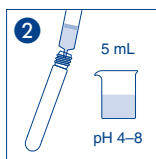
Bromine (combined) / Brome (combiné) / Bromo (ligado)

| Method(e) / Método |                                 | PF-3 Pool /<br>Drinking Water<br>530 nm | PF-12 <sup>Plus</sup><br>540 nm | Advance<br>530 nm |
|--------------------|---------------------------------|---|---------------------------------|-------------------|
| 5113               | 0.10–13.00 mg/L Br <sub>2</sub> | ■                                       | ■                               | ■                 |

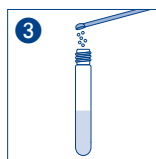
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



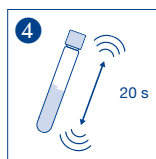
1  
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



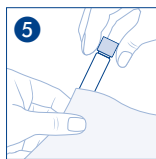
2  
Probe  
Sample  
Echantillon  
Muestra



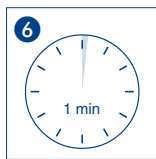
3  
1  $\text{Br}_2$ -1



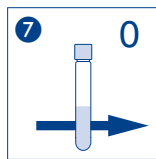
4  
Schütteln  
Shake  
Agiter  
Agitar



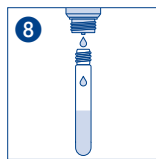
5  
Säubern  
Clean  
Nettoyer  
Limpiar



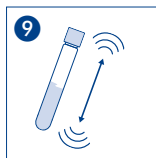
6  
Warten  
Wait  
Attendre  
Espere



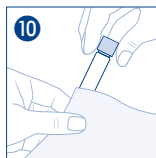
7  
Null  
Blank  
Blanc  
Blanco



8  
3  $\text{Br}_2$ -2



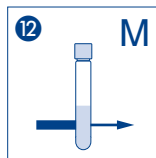
9  
Schütteln  
Shake  
Agiter  
Agitar



10  
Säubern  
Clean  
Nettoyer  
Limpiar



11  
Warten  
Wait  
Attendre  
Espere

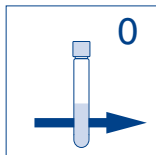


12  
Messung  
Measurement  
Mesure  
Medición

# visocolor® ECO Chlor 2 (frei)

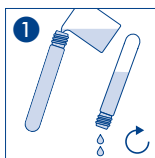
Chlorine (free) / Chlore (libre) / Cloro (libre)

| Method(e) / Método                  | PF-3 Pool/<br>Drinking Water | PF-12  | PF-12 <sup>Plus</sup> | Advance |
|-------------------------------------|------------------------------|--------|-----------------------|---------|
| 5151 0.05–2.00 mg/L Cl <sub>2</sub> | 530 nm                       | 540 nm | 540 nm                | 530 nm  |
|                                     | ■                            | ■      | ■                     | ■       |

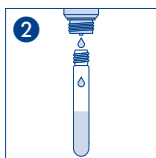


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

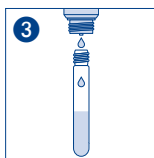
Geeignet für Meerwasser nach Verdünnung 1+1  
Suitable for sea water after dilution 1+1  
Convient à l'eau de mer après dilution 1+1  
Adecuado para el agua de mar tras su dilución 1+1



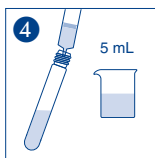
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



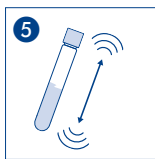
3 ∅ Cl<sub>2</sub>-1



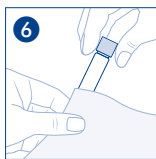
3 ∅ Cl<sub>2</sub>-2



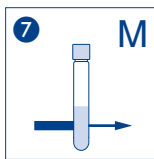
Probe  
Sample  
Echantillon  
Muestra



Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



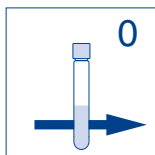
Messung  
Measurement  
Mesure  
Medición



# visicolor® ECO Chlor 2 (gesamt)

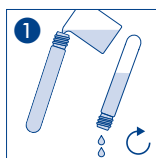
## Chlorine (total) / Chlore (total) / Cloro (total)

| Method(e) / Método                  | PF-3 Pool /<br>Drinking Water<br>530 nm | PF-12<br>540 nm | PF-12 <sup>Plus</sup><br>540 nm | Advance<br>530 nm |
|-------------------------------------|---|-----------------|---------------------------------|-------------------|
| 5152 0.05–2.00 mg/L Cl <sub>2</sub> | ■                                       | ■               | ■                               | ■                 |

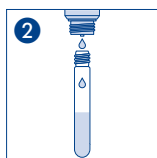


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

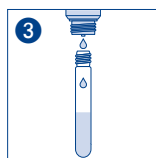
Geeignet für Meerwasser nach Verdünnung 1+1  
Suitable for sea water after dilution 1+1  
Convient à l'eau de mer après dilution 1+1  
Adecuado para el agua de mar tras su dilución 1+1



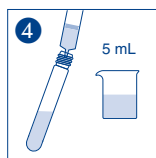
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



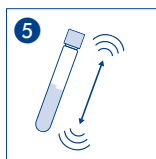
3 ∅ Cl<sub>2</sub>-1



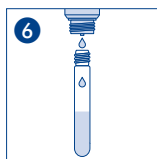
3 ∅ Cl<sub>2</sub>-2



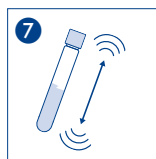
Probe  
Sample  
Echantillon  
Muestra



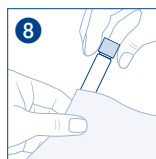
Schütteln  
Shake  
Agiter  
Agitar



3 ∅ Cl<sub>2</sub>-3



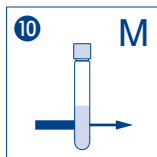
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere



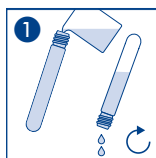
Messung  
Measurement  
Mesure  
Medición

**visocolor<sup>®</sup> ECO Chlor 2 (gebunden)**

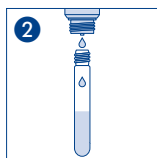
Chlorine (combined) / Chlore (combiné) / Cloro (ligado)

| Method(e) / Método |                                | PF-3 Pool/<br>Drinking Water<br>530 nm | PF-12 <sup>Plus</sup><br>540 nm | Advance<br>530 nm |
|--------------------|--------------------------------|--|---------------------------------|-------------------|
| 5153               | 0.05–2.00 mg/L Cl <sub>2</sub> | ■                                      | ■                               | ■                 |

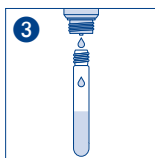
Geeignet für Meerwasser nach Verdünnung 1+1  
 Suitable for sea water after dilution 1+1  
 Convient à l'eau de mer après dilution 1+1  
 Adecuado para el agua de mar tras su dilución 1+1



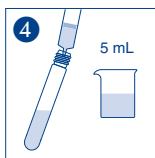
1  
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



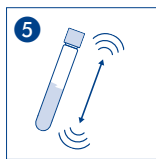
2  
3 ∅ Cl<sub>2</sub>-1



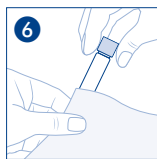
3  
3 ∅ Cl<sub>2</sub>-2



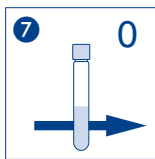
4  
Probe  
Sample  
Echantillon  
Muestra



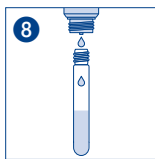
5  
Schütteln  
Shake  
Agiter  
Agitar



6  
Säubern  
Clean  
Nettoyer  
Limpiar



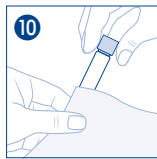
7  
0  
Null  
Blank  
Blanc  
Blanco



8  
3 ∅ Cl<sub>2</sub>-3



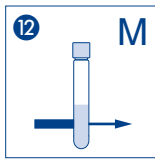
9  
Schütteln  
Shake  
Agiter  
Agitar



10  
Säubern  
Clean  
Nettoyer  
Limpiar



11  
Warten  
Wait  
Attendre  
Espere

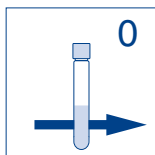


12  
M  
Messung  
Measurement  
Mesure  
Medición

# visocolor® ECO Chlor 2 (frei)

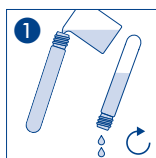
Chlorine (free) / Chlore (libre) / Cloro (libre)

| Method(e) / Método                  | PF-3 Pool/<br>Drinking Water | PF-12  | PF-12 <sup>Plus</sup> | Advance |
|-------------------------------------|------------------------------|--------|-----------------------|---------|
| 5161 0.05–2.00 mg/L Cl <sub>2</sub> | 530 nm                       | 540 nm | 540 nm                | 530 nm  |
|                                     | ■                            | ■      | ■                     | ■       |

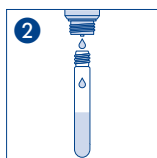


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

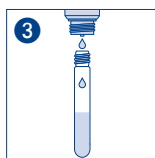
Geeignet für Meerwasser nach Verdünnung 1+1  
Suitable for sea water after dilution 1+1  
Convient à l'eau de mer après dilution 1+1  
Adecuado para el agua de mar tras su dilución 1+1



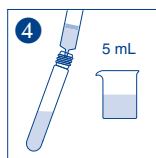
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



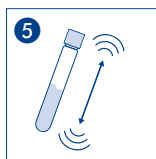
3 ∅ Cl<sub>2</sub>-1



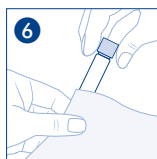
3 ∅ Cl<sub>2</sub>-2



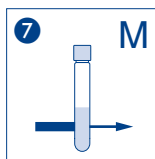
Probe  
Sample  
Echantillon  
Muestra



Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar

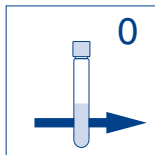


Messung  
Measurement  
Mesure  
Medición

# visocolor® ECO Chlor 6 (frei)

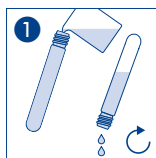
Chlorine (free) / Chlore (libre) / Cloro (libre)

| Method(e) / Método                  | PF-3 Pool/<br>Drinking Water<br>530 nm | PF-3 Fish<br>530 nm | PF-12<br>540 nm | PF-12 <sup>Plus</sup><br>540 nm | Advance<br>530 nm |
|-------------------------------------|--|---------------------|-----------------|---------------------------------|-------------------|
| 5171 0.05–6.00 mg/L Cl <sub>2</sub> | ■                                      | ■                   | ■               | ■                               | ■                 |

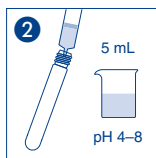


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

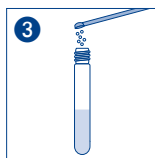
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



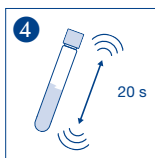
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



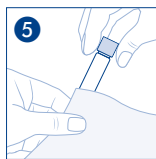
Probe  
Sample  
Echantillon  
Muestra



1  $\text{Cl}_2$ -1



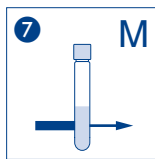
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

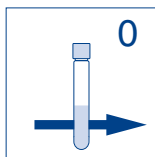


Messung  
Measurement  
Mesure  
Medición

# visicolor® ECO Chlor 6 (gesamt)

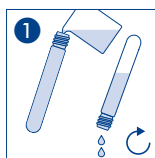
## Chlorine (total) / Chlore (total) / Cloro (total)

| Method(e) / Método                  | PF-3 Pool/<br>Drinking Water | PF-3 Fish | PF-12  | PF-12 <sup>Plus</sup> | Advance |
|-------------------------------------|------------------------------|-----------|--------|-----------------------|---------|
| 5172 0.05–6.00 mg/L Cl <sub>2</sub> | 530 nm                       | 530 nm    | 540 nm | 540 nm                | 530 nm  |
|                                     | ■                            | ■         | ■      | ■                     | ■       |

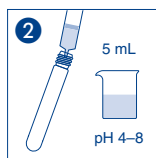


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

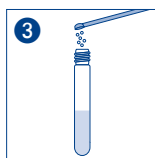
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



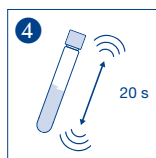
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



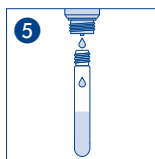
Probe  
Sample  
Echantillon  
Muestra



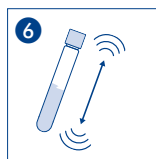
1  $\text{Cl}_2$ -1



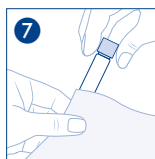
Schütteln  
Shake  
Agiter  
Agitar



3  $\text{Cl}_2$ -2



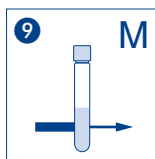
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere



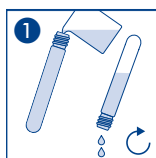
Messung  
Measurement  
Mesure  
Medición

**visocolor<sup>®</sup> ECO Chlor 6 (gebunden)**

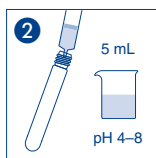
Chlorine (combined) / Chlore (combiné) / Cloro (ligado)

| Method(e) / Método                  | PF-3 Pool /<br>Drinking Water | PF-3 Fish | PF-12 <sup>Plus</sup> | Advance |
|-------------------------------------|-------------------------------|-----------|-----------------------|---------|
| 5353 0.05–2.00 mg/L Cl <sub>2</sub> | 530 nm                        | 530 nm    | 540 nm                | 530 nm  |

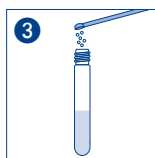
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



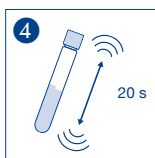
1  
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



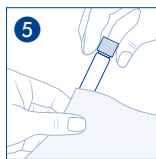
2  
Probe  
Sample  
Echantillon  
Muestra



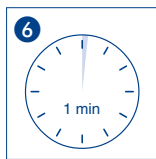
3  
1  $\text{Cl}_2-1$



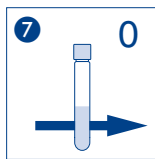
4  
Schütteln  
Shake  
Agiter  
Agitar



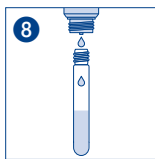
5  
Säubern  
Clean  
Nettoyer  
Limpiar



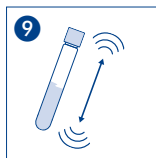
6  
Warten  
Wait  
Attendre  
Espere



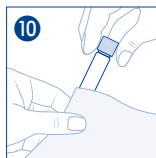
7  
Null  
Blank  
Blanc  
Blanco



8  
3  $\text{Cl}_2-2$



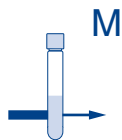
9  
Schütteln  
Shake  
Agiter  
Agitar



10  
Säubern  
Clean  
Nettoyer  
Limpiar



11  
Warten  
Wait  
Attendre  
Espere



M  
Messung  
Measurement  
Mesure  
Medición

# visicolor® ECO Chlorid

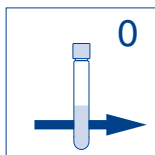
Chloride / Chlorure / Cloruro

Method(e) / Método  
5181 1–50 mg/L Cl<sup>-</sup>

PF-12  
470 nm

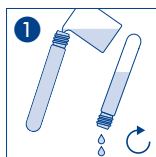
PF-12<sup>Plus</sup>  
470 nm

Advance  
470 nm

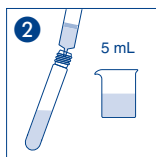


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

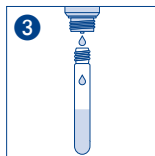
Nicht geeignet für Meerwasser  
Not suitable for seawater  
Ne convient pas à l'eau de mer  
No es adecuado para el agua de mar



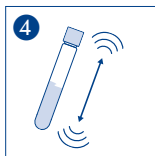
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



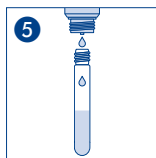
Probe  
Sample  
Echantillon  
Muestra



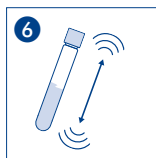
10 ∆ Cl-1



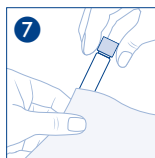
Schütteln  
Shake  
Agiter  
Agitar



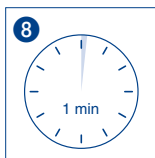
10 ∆ Cl-2



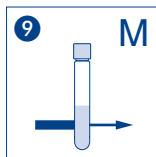
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

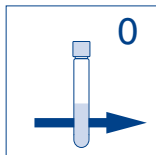


Messung  
Measurement  
Mesure  
Medición

# visicolor® ECO Chlor 6 (frei)

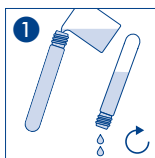
Chlorine (free) / Chlore (libre) / Cloro (libre)

| Method(e) / Método                  | PF-3 Pool /<br>Drinking Water | PF-12  | PF-12 <sup>Plus</sup> | Advance |
|-------------------------------------|-------------------------------|--------|-----------------------|---------|
| 5191 0.05–6.00 mg/L Cl <sub>2</sub> | 530 nm                        | 540 nm | 540 nm                | 530 nm  |

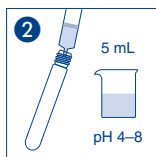


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

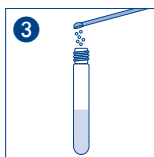
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



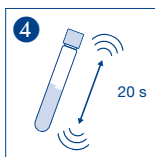
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



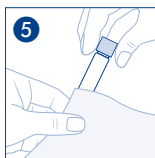
Probe  
Sample  
Echantillon  
Muestra



1  Cl<sub>2</sub>-1



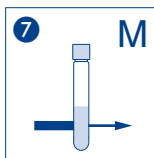
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere



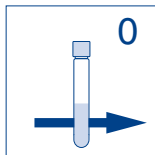
Messung  
Measurement  
Mesure  
Medición



# visicolor® ECO Chrom(VI)

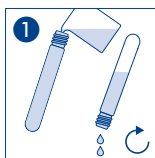
## Chromium(VI) / Chrome(VI) / Cromo(VI)

| Method(e) / Método                                 | PF-12<br>540 nm | PF-12 <sup>Plus</sup><br>540 nm | Advance<br>540 nm |
|--|-----------------|---------------------------------|-------------------|
| 5201 0.02–0.50 mg/L Cr(VI)                         | ■               | ■                               | ■                 |
| 5202 0.04–1.00 mg/L CrO <sub>4</sub> <sup>2-</sup> | ■               | ■                               | ■                 |

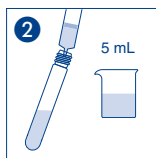


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

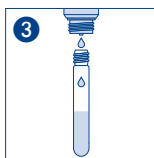
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



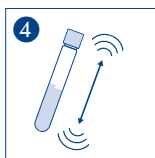
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



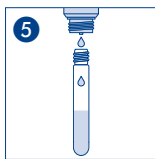
Probe  
Sample  
Echantillon  
Muestra



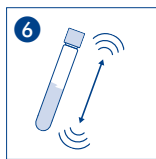
5 Δ Cr-1



Schütteln  
Shake  
Agiter  
Agitar



5 Δ Cr-2



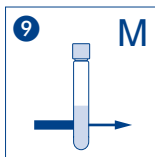
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

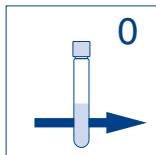


Messung  
Measurement  
Mesure  
Medición

**visicolor**® ECO Chlordioxid

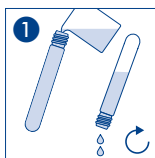
Chlorine dioxide / Dioxyde de chlore / Cloro dióxido

| Method(e) / Método                   | PF-3 Pool /<br>Drinking Water<br>530 nm | PF-12<br>540 nm | PF-12 <sup>Plus</sup><br>540 nm | Advance<br>530 nm |
|--------------------------------------|---|-----------------|---------------------------------|-------------------|
| 5211 0.20–3.80 mg/L ClO <sub>2</sub> |   | ■               | ■                               | ■                 |
| 5211 0.10–3.80 mg/L ClO <sub>2</sub> | ■                                       |                 |                                 |                   |

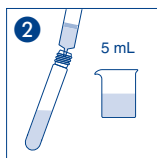


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

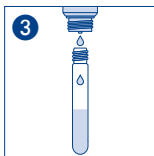
Nicht geeignet für Meerwasser  
Not suitable for seawater  
Ne convient pas à l'eau de mer  
No es adecuado para el agua de mar



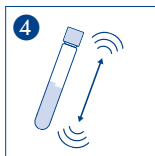
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



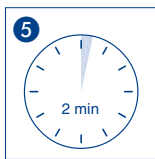
Probe  
Sample  
Echantillon  
Muestra



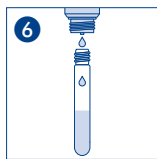
2  $\Delta$  ClO<sub>2</sub>-1



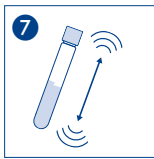
Schütteln  
Shake  
Agiter  
Agitar



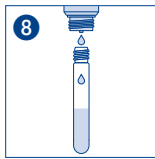
Warten  
Wait  
Attendre  
Espere



3  $\Delta$  ClO<sub>2</sub>-2



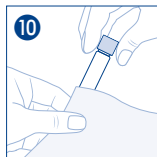
Schütteln  
Shake  
Agiter  
Agitar



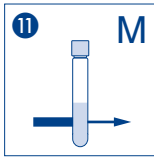
3  $\Delta$  ClO<sub>2</sub>-3



Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar

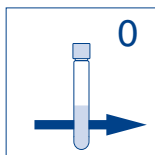


Messung  
Measurement  
Mesure  
Medición

# visicolor® ECO Cyanid

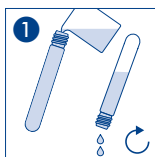
## Cyanide / Cyanure / Cianuro

Method(e) / Método

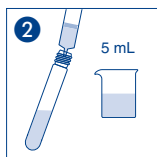
PF-12  
585 nmPF-12<sup>Plus</sup>  
585 nmAdvance  
605 nm5221 0.01–0.20 mg/L CN<sup>-</sup>

Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

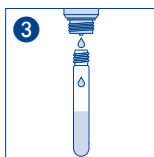
Geeignet für Meerwasser nach Verdünnung 1+3  
Suitable for sea water after dilution 1+3  
Convient à l'eau de mer après dilution 1+3  
Adecuado para el agua de mar tras su dilución 1+3



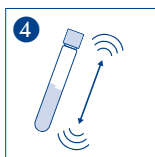
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



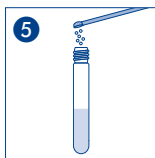
Probe  
Sample  
Echantillon  
Muestra



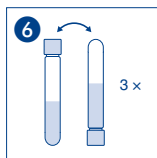
5 Δ CN-1



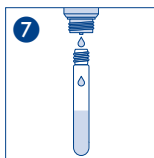
Schütteln  
Shake  
Agiter  
Agitar



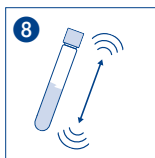
1 — CN-2



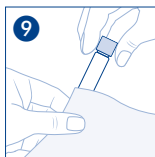
Umschwenken  
Shake gently  
Secouer légèrement  
Mezclar volteándolo



5 Δ CN-3



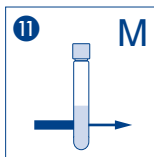
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

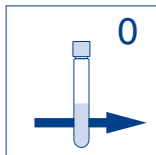


Messung  
Measurement  
Mesure  
Medición

**visicolor**<sup>®</sup> ECO Cyanursäure

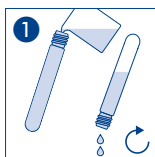
Cyanuric acid / Acide cyanurique / Ácido cianúrico

| Method(e) / Método   | PF-3 Pool/<br>Drinking Water<br>450 nm | PF-12<br>540 nm | PF-12 <sup>Plus</sup><br>540 nm | Advance<br>540 nm |
|----------------------|--|-----------------|---------------------------------|-------------------|
| 5231 10–100 mg/L Cya | ■                                      | ■               | ■                               | ■                 |

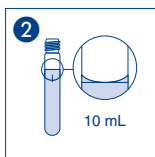


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

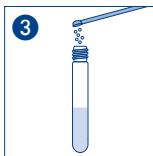
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



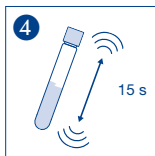
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



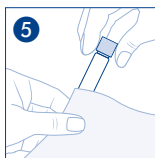
Probe  
Sample  
Echantillon  
Muestra



1/2 Cya-1



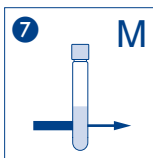
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

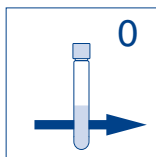


Messung  
Measurement  
Mesure  
Medición

# visicolor® ECO DEHA

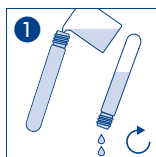
## DEHA/DEHA/DEHA

| Method(e) / Método |                        | PF-12 <sup>Plus</sup> | Advance |
|--------------------|------------------------|-----------------------|---------|
|                    |                        | 540 nm                | 560 nm  |
| 5241               | 0,005–0,500 mg/L DEHA  | ■                     | ■       |
| 5242               | 0.010–0.600 mg/L Carbo | ■                     | ■       |
| 5243               | 0,010–1,000 mg/L Hydro | ■                     | ■       |
| 5244               | 0.025–1.500 mg/L ISA   | ■                     | ■       |
| 5245               | 0.015–1.000 mg/L MEKO  | ■                     | ■       |

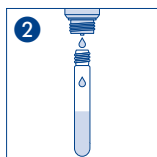


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

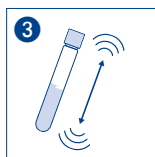
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



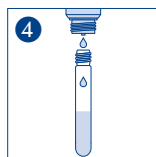
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



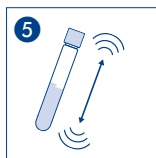
4 ⬧ DEHA-1



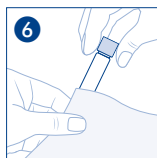
Schütteln  
Shake  
Agiter  
Agitar



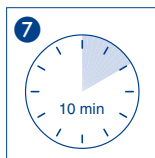
4 ⬧ DEHA-2



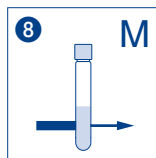
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

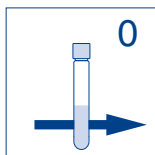


Messung  
Measurement  
Mesure  
Medición

# visicolor® ECO Eisen 1

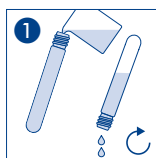
## Iron / Fer / Hierro

| Method(e) / Método     | PF-3 Pool/<br>Drinking Water | PF-3 Fish | PF-12  | PF-12 <sup>Plus</sup> | Advance |
|------------------------|------------------------------|-----------|--------|-----------------------|---------|
| 5251 0.04–2.00 mg/L Fe | 530 nm                       | 530 nm    | 540 nm | 540 nm                | 563 nm  |
|                        | ■                            | ■         | ■      | ■                     | ■       |

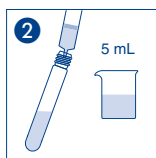


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

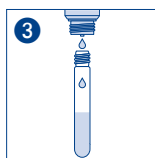
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



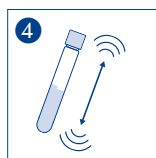
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



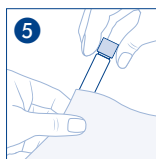
Probe  
Sample  
Echantillon  
Muestra



5 ∆ Fe-1



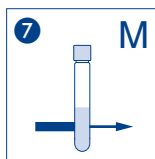
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

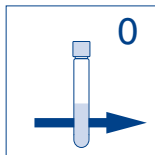


Messung  
Measurement  
Mesure  
Medición

**visicolor<sup>®</sup> ECO Eisen 2**

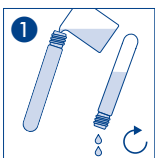
Iron / Fer / Hierro

| Method(e) / Método     | PF-3 Pool/<br>Drinking Water | PF-3 Fish | PF-12  | PF-12 <sup>Plus</sup> | Advance |
|------------------------|------------------------------|-----------|--------|-----------------------|---------|
| 5261 0.04–2.00 mg/L Fe | 530 nm                       | 530 nm    | 540 nm | 540 nm                | 563 nm  |
|                        | ■                            | ■         | ■      | ■                     | ■       |

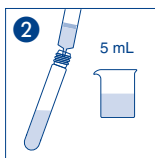


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

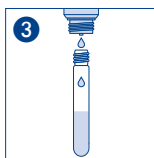
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



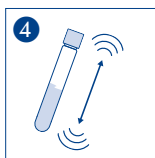
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



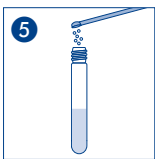
Probe  
Sample  
Echantillon  
Muestra



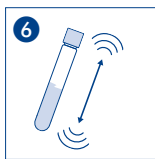
4 ∅ Fe-1



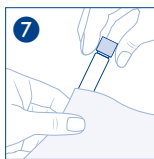
Schütteln  
Shake  
Agiter  
Agitar



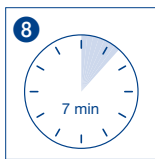
1 — Fe-2



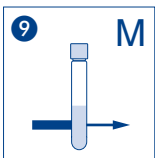
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

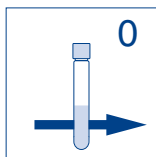


Messung  
Measurement  
Mesure  
Medición

# visicolor® ECO Fluorid

## Fluoride / Fluorure / Fluoruro

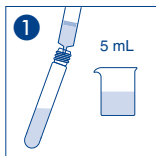
| Method(e) / Método               | PF-3 Pool /<br>Drinking Water<br>590 nm | PF-12<br>585 nm | PF-12 <sup>Plus</sup><br>585 nm | Advance<br>585 nm |
|----------------------------------|---|-----------------|---------------------------------|-------------------|
| 5271 0.1–2.0 mg/L F <sup>-</sup> | ■                                       | ■               | ■                               | ■                 |



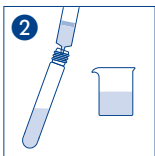
Reagenzienblindwert  
Reagent blank  
Blanc réactifs  
Reactivo blanco

Nicht geeignet für Meerwasser  
Not suitable for seawater  
Ne convient pas à l'eau de mer  
No es adecuado para el agua de mar

Nullwert / Blanc value / Zéro / Cero

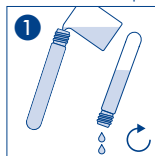


dest. Wasser  
dist. Water  
d'eau distillée  
agua dest.

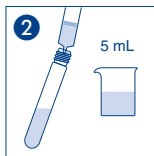


600 µL F-1

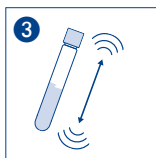
Messwert / Sample / Echantillon / Muestra



Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



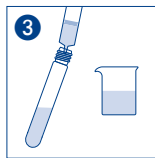
Probe  
Sample  
Echantillon  
Muestra



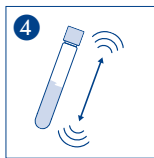
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



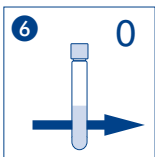
600 µL F-1



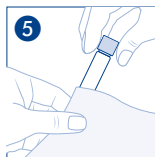
Schütteln  
Shake  
Agiter  
Agitar



Warten  
Wait  
Attendre  
Espere



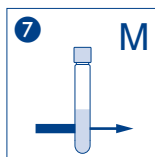
Reagenzienblindwert  
Reagent blank  
Blanc réactifs  
Reactivo blanco



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere



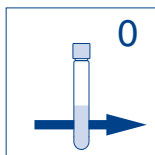
Messung  
Measurement  
Mesure  
Medición



# visicolor® ECO Hydrazin

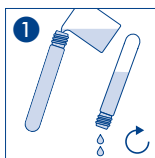
## Hydrazine / Hydrazine / Idrazina

Method(e) / Método

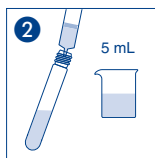
5301 0.05–0.40 mg/L N<sub>2</sub>H<sub>4</sub>PF-12  
436 nmPF-12<sup>Plus</sup>  
436 nmAdvance  
450 nm

Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

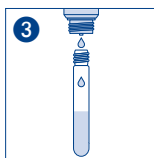
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



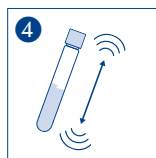
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



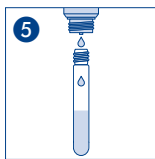
Probe  
Sample  
Echantillon  
Muestra



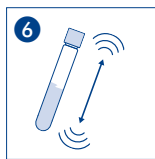
5 ∅ N<sub>2</sub>H<sub>4</sub>-1



Schütteln  
Shake  
Agiter  
Agitar



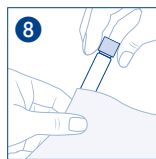
5 ∅ N<sub>2</sub>H<sub>4</sub>-2



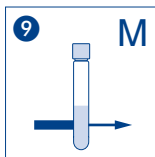
Schütteln  
Shake  
Agiter  
Agitar



Warten  
Wait  
Attendre  
Espere



Säubern  
Clean  
Nettoyer  
Limpiar



Messung  
Measurement  
Mesure  
Medición

# visicolor® ECO Kalium

## Potassium / Potassium / Potasio

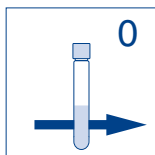
Method(e) / Método  
5321 2–25 mg/L K

PF-3 Soil  
660 nm

PF-12  
690 nm

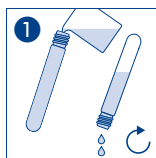
PF-12<sup>Plus</sup>  
690 nm

Advance  
690 nm

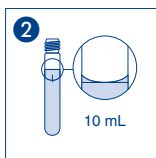


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

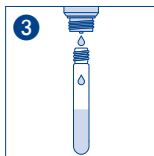
Geeignet für Meerwasser nach Verdünnung 1+1  
Suitable for sea water after dilution 1+1  
Convient à l'eau de mer après dilution 1+1  
Adecuado para el agua de mar tras su dilución 1+1



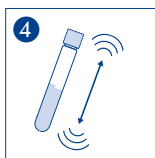
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



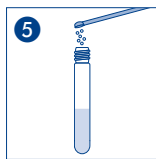
Probe  
Sample  
Echantillon  
Muestra



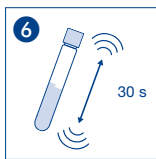
15  $\Delta$  K-1



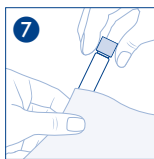
Schütteln  
Shake  
Agiter  
Agitar



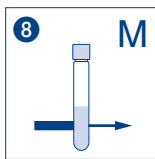
1  $\Delta$  K-2



Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar

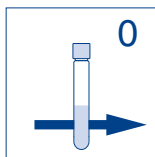


Messung  
Measurement  
Mesure  
Medición

# visicolor® ECO Kieselsäure

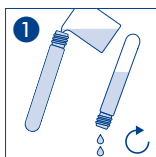
## Silica / Silice / Silice

| Method(e) / Método                 | PF-3 Fish<br>660 nm | PF-12<br>690 nm | PF-12 <sup>Plus</sup><br>690 nm | Advance<br>690 nm |
|------------------------------------|---------------------|-----------------|---------------------------------|-------------------|
| 5331 0.2–3.0 mg/L SiO <sub>2</sub> | ■                   | ■               | ■                               | ■                 |
| 5332 0.1–1.4 mg/L Si               | ■                   | ■               | ■                               | ■                 |

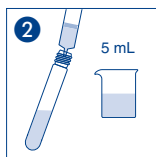


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

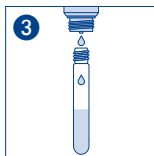
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



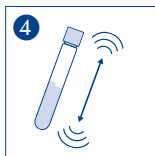
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



Probe  
Sample  
Echantillon  
Muestra



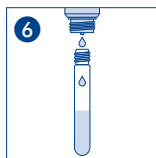
5  $\Delta$  SiO<sub>2</sub>-1



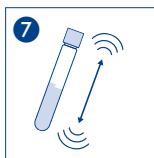
Schütteln  
Shake  
Agiter  
Agitar



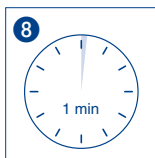
Warten  
Wait  
Attendre  
Espere



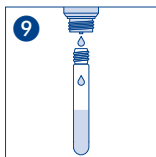
5  $\Delta$  SiO<sub>2</sub>-2



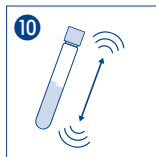
Schütteln  
Shake  
Agiter  
Agitar



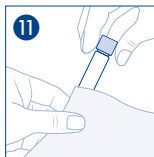
Warten  
Wait  
Attendre  
Espere



5  $\Delta$  SiO<sub>2</sub>-3



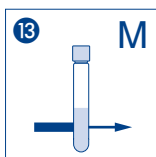
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

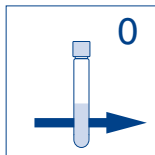


Messung  
Measurement  
Mesure  
Medición

**visicolor**<sup>®</sup> ECO Kieselsäure HR 200

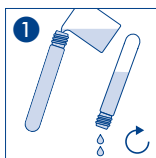
Silica / Silice / Silice

| Method(e) / Método |                              | PF-3 Pool/<br>Drinking Water<br>450 nm | PF-12 <sup>Plus</sup><br>450 nm | Advance<br>450 nm |
|--------------------|------------------------------|--|---------------------------------|-------------------|
| 5341               | 5–100 mg/L Si                | ■                                      | ■                               | ■                 |
| 5342               | 10–200 mg/L SiO <sub>2</sub> | ■                                      | ■                               | ■                 |

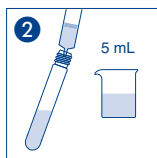


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

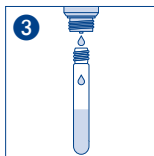
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



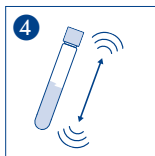
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



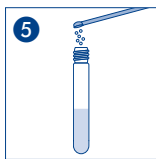
Probe  
Sample  
Echantillon  
Muestra



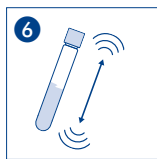
5  $\Delta$  SiO<sub>2</sub>-1



Schütteln  
Shake  
Agiter  
Agitar



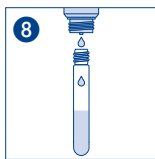
1  $\Delta$  SiO<sub>2</sub>-2



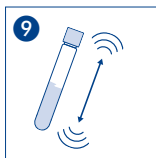
Schütteln  
Shake  
Agiter  
Agitar



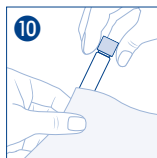
Warten  
Wait  
Attendre  
Espere



5  $\Delta$  SiO<sub>2</sub>-3



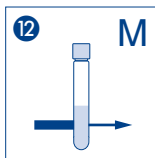
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

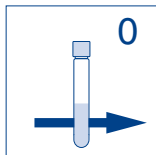


Messung  
Measurement  
Mesure  
Medición

# visocolor® ECO Chlor 1 (frei)

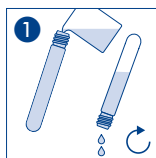
Chlorine (free) / Chlore (libre) / Cloro (libre)

| Method(e) / Método                  | PF-3 Pool/<br>Drinking Water<br>530 nm | PF-12<br>540 nm | PF-12 <sup>Plus</sup><br>540 nm | Advance<br>530 nm |
|-------------------------------------|--|-----------------|---------------------------------|-------------------|
| 5351 0.05–2.00 mg/L Cl <sub>2</sub> | ■                                      | ■               | ■                               | ■                 |

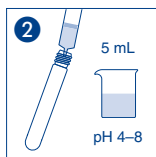


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

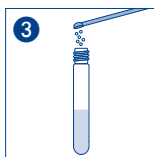
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



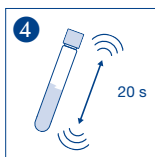
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



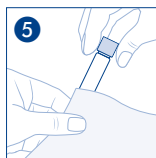
Probe  
Sample  
Echantillon  
Muestra



1  $\text{Cl}_2\text{-1}$



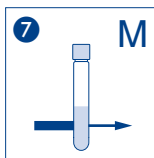
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

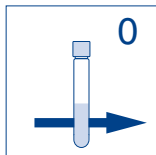


Messung  
Measurement  
Mesure  
Medición

# visicolor® ECO Chlor 1 (gesamt)

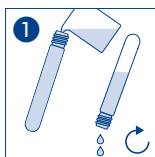
Chlorine (total) / Chlore (totale) / Cloro (total)

| Method(e) / Método                  | PF-3 Pool / Drinking Water | PF-12  | PF-12 <sup>Plus</sup> | Advance |
|-------------------------------------|----------------------------|--------|-----------------------|---------|
| 5352 0.05–2.00 mg/L Cl <sub>2</sub> | 530 nm                     | 540 nm | 540 nm                | 530 nm  |

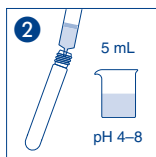


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

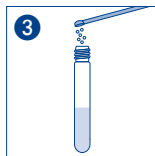
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



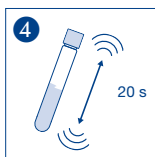
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



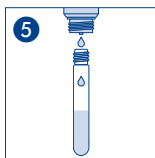
Probe  
Sample  
Echantillon  
Muestra



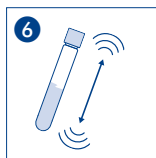
1  $\text{Cl}_2$ -1



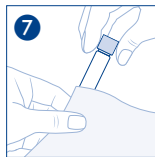
Schütteln  
Shake  
Agiter  
Agitar



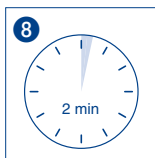
3  $\text{Cl}_2$ -2



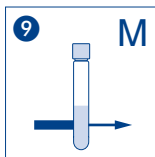
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere



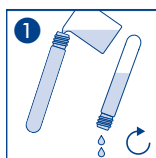
Messung  
Measurement  
Mesure  
Medición

**visocolor<sup>®</sup> ECO Chlor 1 (gebunden)**

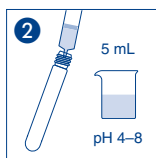
Chlorine (combined) / Chlore (combiné) / Cloro (ligado)

| Method(e) / Método |                                | PF-3 Pool/<br>Drinking Water<br>530 nm | PF-12 <sup>Plus</sup><br>540 nm | Advance<br>530 nm |
|--------------------|--------------------------------|--|---------------------------------|-------------------|
| 5353               | 0.05–2.00 mg/L Cl <sub>2</sub> | ■                                      | ■                               | ■                 |

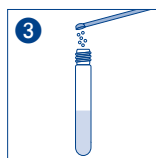
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



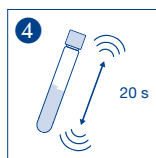
1  
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



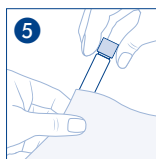
2  
Probe  
Sample  
Echantillon  
Muestra



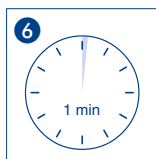
3  
1  $\text{Cl}_2-1$



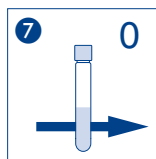
4  
Schütteln  
Shake  
Agiter  
Agitar



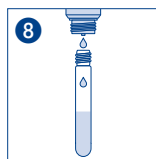
5  
Säubern  
Clean  
Nettoyer  
Limpiar



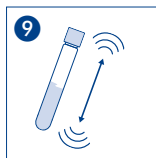
6  
Warten  
Wait  
Attendre  
Espere



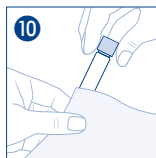
7  
Null  
Blank  
Blanc  
Blanco



8  
3  $\text{Cl}_2-2$



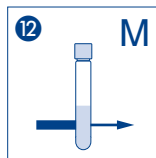
9  
Schütteln  
Shake  
Agiter  
Agitar



10  
Säubern  
Clean  
Nettoyer  
Limpiar



11  
Warten  
Wait  
Attendre  
Espere

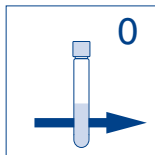


12  
Messung  
Measurement  
Mesure  
Medición

# visicolor® ECO Kupfer

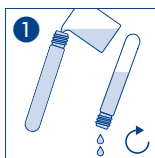
Copper / Cuivre / Cobre

Method(e) / Método

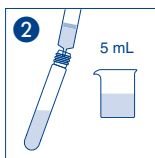
5371 0.1–5.0 mg/L Cu<sup>2+</sup>PF-3 Fish  
530 nmPF-12  
585 nmPF-12<sup>Plus</sup>  
585 nmAdvance  
600 nm

Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

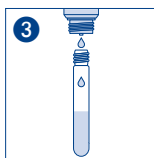
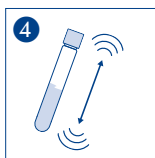
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



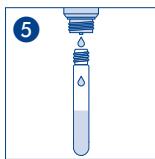
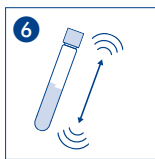
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



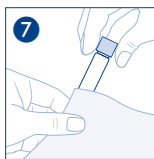
Probe  
Sample  
Echantillon  
Muestra

5  $\Delta$  Cu-1

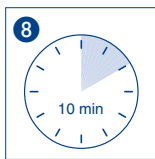
Schütteln  
Shake  
Agiter  
Agitar

5  $\Delta$  Cu-2

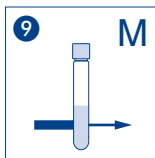
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere



Messung  
Measurement  
Mesure  
Medición



# visicolor® ECO Mangan

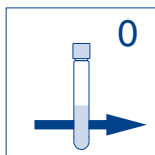
## Manganese / Manganèse / Manganeseo

Method(e) / Método  
5381 0.1–5.0 mg/L Mn

PF-12  
436 nm

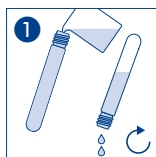
PF-12<sup>Plus</sup>  
436 nm

Advance  
450 nm

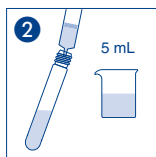


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

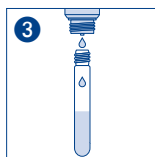
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



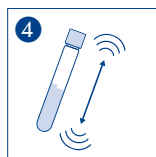
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



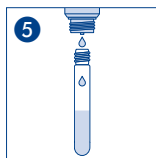
Probe  
Sample  
Echantillon  
Muestra



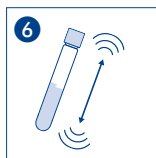
5  $\Delta$  Mn-1



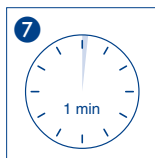
Schütteln  
Shake  
Agiter  
Agitar



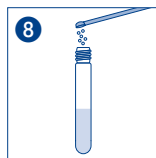
7  $\Delta$  Mn-2



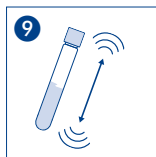
Schütteln  
Shake  
Agiter  
Agitar



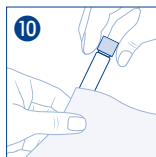
Warten  
Wait  
Attendre  
Espere



1  $\Delta$  Mn-3



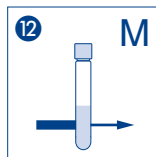
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

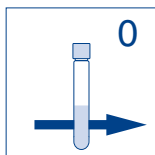


Messung  
Measurement  
Mesure  
Medición

# visicolor® ECO Nickel

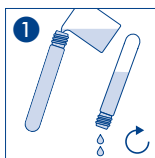
## Nickel / Nickel / Níquel

Method(e) / Método

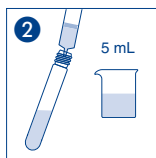
5401 0.04–5.00 mg/L Ni<sup>2+</sup>PF-12  
470 nmPF-12<sup>Plus</sup>  
470 nmAdvance  
470 nm

Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

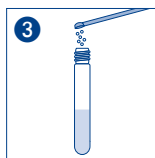
Geeignet für Meerwasser nach Verdünnung 1+9  
Suitable for sea water after dilution 1+9  
Convient à l'eau de mer après dilution 1+9  
Adecuado para el agua de mar tras su dilución 1+9



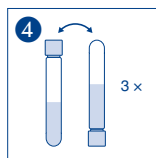
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



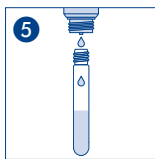
Probe  
Sample  
Echantillon  
Muestra



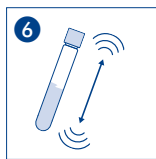
1 Ni-1



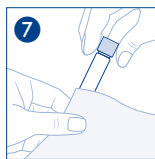
Umschwenken  
Shake gently  
Secouer légèrement  
Mezclar volteándolo



5 Ni-2



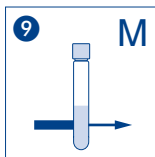
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

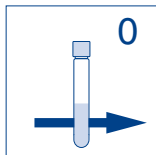


Messung  
Measurement  
Mesure  
Medición

**visicolor® ECO Nitrat**

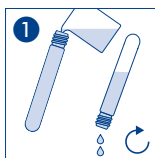
Nitrate / Nitrate / Nitrato

| Method(e) / Método                              | PF-3 Soil<br>450 nm | PF-3 Fish<br>450 nm | PF-12<br>436 nm | PF-12 <sup>Plus</sup><br>436 nm | Advance<br>450 nm |
|---|---------------------|---------------------|-----------------|---------------------------------|-------------------|
| 5411 1.0–14.0 mg/L NO <sub>3</sub> -N           | ■                   | ■                   | ■               | ■                               | ■                 |
| 5412 4.0–60.0 mg/L NO <sub>3</sub> <sup>-</sup> | ■                   | ■                   | ■               | ■                               | ■                 |

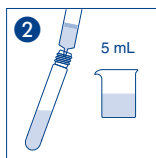


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

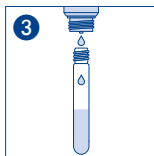
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



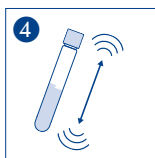
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



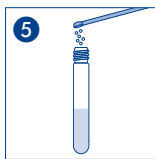
Probe  
Sample  
Echantillon  
Muestra



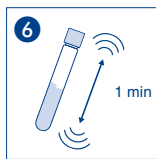
5 δ NO<sub>3</sub>-1



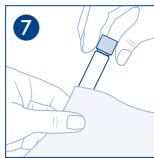
Schütteln  
Shake  
Agiter  
Agitar



1 — NO<sub>3</sub>-2



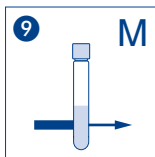
Kräftig schütteln  
Shake well  
Bien agiter  
Agitar intensamente



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

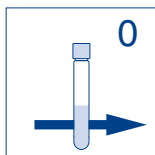


Messung  
Measurement  
Mesure  
Medición

# visicolor® ECO Nitrit

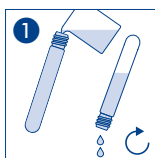
## Nitrite / Nitrite / Nitrito

| Method(e) / Método |   | PF-3 Fish<br>530 nm | PF-12<br>540 nm | PF-12 <sup>Plus</sup><br>540 nm | Advance<br>540 nm |
|--------------------|---|---------------------|-----------------|---------------------------------|-------------------|
| 5441               | 0.01–0.15 mg/L NO <sub>2</sub> -N           | ■                   | ■               | ■                               | ■                 |
| 5442               | 0.02–0.50 mg/L NO <sub>2</sub> <sup>-</sup> | ■                   | ■               | ■                               | ■                 |

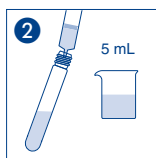


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

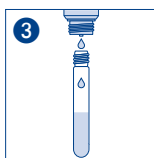
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



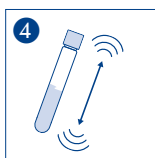
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



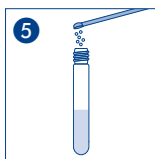
Probe  
Sample  
Echantillon  
Muestra



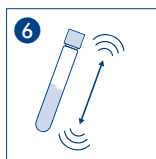
4 δ NO<sub>2</sub>-1



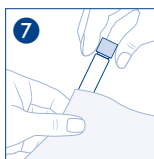
Schütteln  
Shake  
Agiter  
Agitar



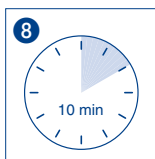
1 — NO<sub>2</sub>-2



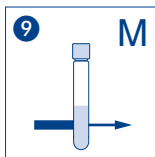
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

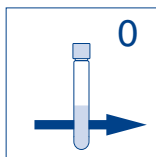


Messung  
Measurement  
Mesure  
Medición

# visicolor<sup>®</sup> ECO pH 6,1–8,4

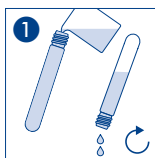
pH 6.1–8.4 / pH 6,1–8,4 / pH 6,1–8,4

| Method(e) / Método | PF-3 Pool /<br>Drinking Water | PF-3 Fish  | PF-12      | PF-12 <sup>Plus</sup> | Advance    |
|--------------------|-------------------------------|------------|------------|-----------------------|------------|
| 5701 6.1–8.4 pH    | 450/530 nm                    | 450/530 nm | 436/540 nm | 436/585 nm            | 436/560 nm |
|                    | ■                             | ■          | ■          | ■                     | ■          |

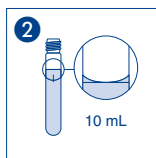


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

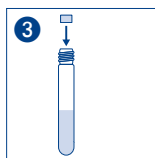
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



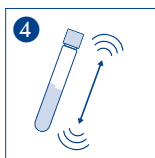
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



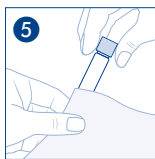
Probe  
Sample  
Echantillon  
Muestra



1 NANOFIX pH



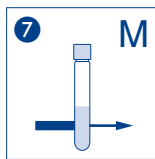
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

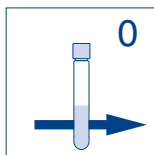


Messung  
Measurement  
Mesure  
Medición

# visocolor® ECO Phosphat

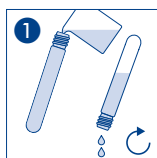
## Phosphate / Phosphate / Fosfato

| Method(e) / Método                               | PF-3 Soil<br>660 nm | PF-3 Fish<br>660 nm | PF-12<br>690 nm | PF-12 <sup>Plus</sup><br>690 nm | Advance<br>710 nm |
|--|---------------------|---------------------|-----------------|---------------------------------|-------------------|
| 5841 0.2–5.0 mg/L PO <sub>4</sub> -P             | ■                   | ■                   | ■               | ■                               | ■                 |
| 5842 0.6–15.0 mg/L PO <sub>4</sub> <sup>3-</sup> | ■                   | ■                   | ■               | ■                               | ■                 |

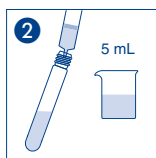


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

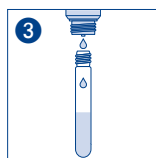
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



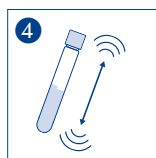
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



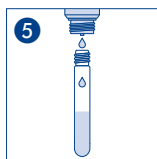
Probe  
Sample  
Echantillon  
Muestra



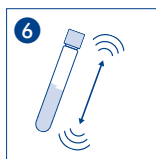
6 ∅ PO<sub>4</sub>-1



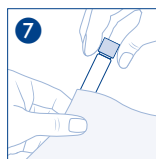
Schütteln  
Shake  
Agiter  
Agitar



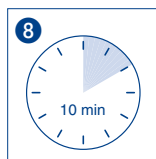
6 ∅ PO<sub>4</sub>-2



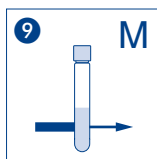
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere



Messung  
Measurement  
Mesure  
Medición

Bei Anwendung in der Bodenanalytik mit der Extraktionslösung B (CAL), bitte die Hinweise des „VISOCOLOR® Bodenkoffer“-Handbuchs REF 914602 in Kapitel 3.7 beachten (Verdünnung 1+4).

For use in soil analysis with the extraction solution B (CAL), please consider the instructions from the "VISOCOLOR® Reagent case for soil analysis" handbook REF 914 602 in chapter 3.7 (dilution 1+4).

Pour l'utilisation dans le cadre de l'analyse du sol avec la solution d'extraction B (CAL), utiliser l'instruction de la « mallette d'analyse du sol VISOCOLOR® » manuel REF 914602 chapitre 3.7 (dilution 1+4)

Para aplicaciones en análisis de suelos con la disolución para extracción B (CAL), por favor considere las instrucciones del manual "VISOCOLOR® Maletín para análisis de suelos" REF 914602 capítulo 3.7 (dilución 1+4).

# visicolor® ECO Sauerstoff

## Oxygen / Oxygène / Oxígeno

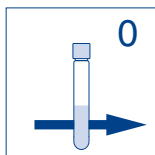
Method(e) / Método  
5881 1-8 mg/L O<sub>2</sub>

PF-3 Fish  
530 nm

PF-12  
540 nm

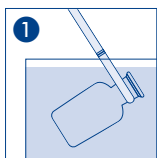
PF-12<sup>Plus</sup>  
540 nm

Advance  
540 nm

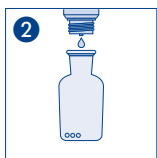


Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

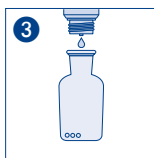
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



Probe  
Sample  
Echantillon  
Muestra



5 ∅ O<sub>2</sub>-1



5 ∅ O<sub>2</sub>-2



Schütteln  
Shake  
Agiter  
Agitar



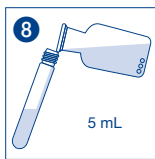
Warten  
Wait  
Attendre  
Espere



12 ∅ O<sub>2</sub>-3



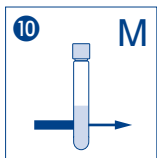
Schütteln  
Shake  
Agiter  
Agitar



in Rundküvette  
into test tube  
dans tube  
en tubo



Säubern  
Clean  
Nettoyer  
Limpiar

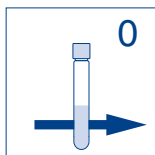


Sofort messen  
Measure immediately  
Mesure immédiatement  
Medir inmediatamente

# visicolor® ECO Sulfat

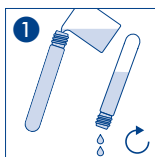
## Sulphate / Sulfate / Sulfato

Method(e) / Método

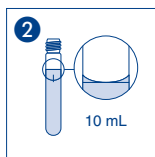
5921 20–200 mg/L  $\text{SO}_4^{2-}$ PF-12  
436 nmPF-12<sup>Plus</sup>  
436 nmAdvance  
436 nm

Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

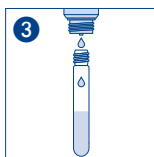
Geeignet für Meerwasser nach Verdünnung 1+49  
Suitable for sea water after dilution 1+49  
Convient à l'eau de mer après dilution 1+49  
Adecuado para el agua de mar tras su dilución 1+49



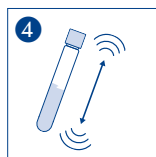
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



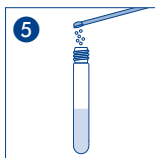
Probe  
Sample  
Echantillon  
Muestra



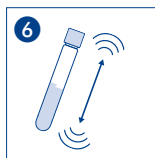
10  $\text{SO}_4^{2-}$ -1



Schütteln  
Shake  
Agiter  
Agitar



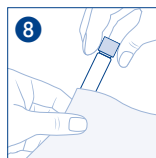
1  $\text{SO}_4^{2-}$ -2



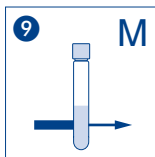
Schütteln  
Shake  
Agiter  
Agitar



Warten  
Wait  
Attendre  
Espere



Säubern  
Clean  
Nettoyer  
Limpiar



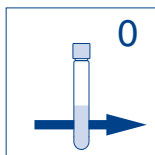
Messung  
Measurement  
Mesure  
Medición



# visicolor® ECO Sulfid

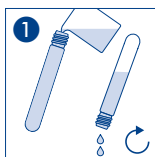
## Sulphide / Sulfure / Sulfuro

Method(e) / Método

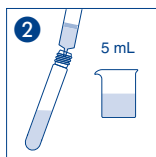
5941 0.05–0.80 mg/L S<sup>2-</sup>PF-12  
620 nmPF-12<sup>Plus</sup>  
620 nmAdvance  
670 nm

Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

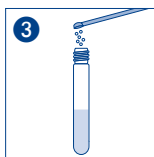
Geeignet für Meerwasser  
Suitable for seawater  
Convient à l'eau de mer  
Adecuado para el agua de mar



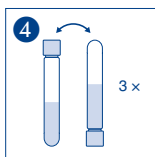
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



Probe  
Sample  
Echantillon  
Muestra



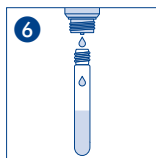
1 S-1



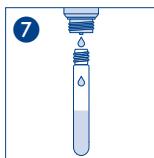
Umschwenken  
Shake gently  
Secouer légèrement  
Mezclar volteándolo



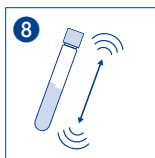
Warten  
Wait  
Attendre  
Espere



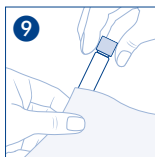
5 S-2



5 S-3



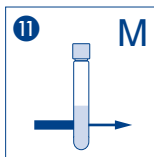
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere

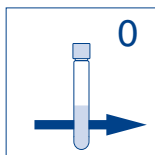


Messung  
Measurement  
Mesure  
Medición

**visicolor**<sup>®</sup> ECO Zink

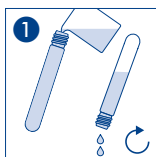
Zinc / Zinc / Zinc

Method(e) / Método

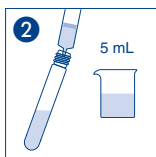
5981 0.1–3.0 mg/L Zn<sup>2+</sup>PF-12  
620 nmPF-12<sup>Plus</sup>  
620 nmAdvance  
620 nm

Null mit Probe  
Blank with sample  
Blanc avec échantillon  
En blanco con muestra

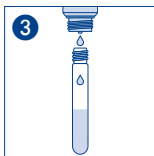
Geeignet für Meerwasser nach Verdünnung 1+9  
Suitable for sea water after dilution 1+9  
Convient à l'eau de mer après dilution 1+9  
Adecuado para el agua de mar tras su dilución 1+9



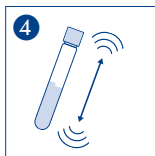
Küvetten spülen  
Rinse test tube  
Rincer les éprouvettes  
Lavar los tubos



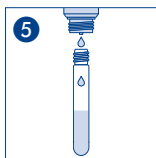
Probe  
Sample  
Echantillon  
Muestra



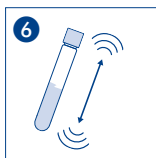
5 ∅ Zn-1



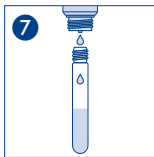
Schütteln  
Shake  
Agiter  
Agitar



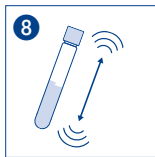
5 ∅ Zn-2



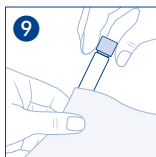
Schütteln  
Shake  
Agiter  
Agitar



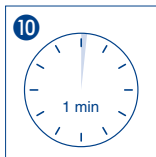
10 ∅ Zn-3



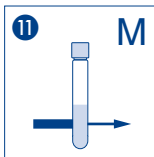
Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Warten  
Wait  
Attendre  
Espere



Messung  
Measurement  
Mesure  
Medición



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