

## VISOCOLOR<sup>®</sup> ECO

Testanleitungen

Test instructions

Instructions des tests

Instrucciones de los tests



für Kompaktphotometer PF-12<sup>Plus</sup>  
for compact photometer PF-12<sup>Plus</sup>  
pour photomètre compact PF-12<sup>Plus</sup>  
para fotómetro compacto PF-12<sup>Plus</sup>

# visocolor<sup>®</sup> ECO Alkalinität TA

## Alkalinity TA / Alcalinité TA / Alkalinidad TA

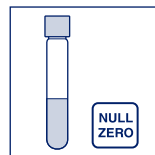
# Test 5-04

REF 931 204

436/585 nm

Method(e) / Método

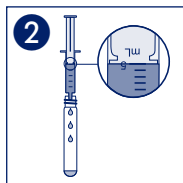
<b>5041</b>	0.3–14 °d
<b>5042</b>	0.10–5.00 mmol/L H <sup>+</sup>
<b>5043</b>	0.4–17.5 °e
<b>5044</b>	0.5–25.0 °f
<b>5045</b>	5–250 mg/L CaCO <sub>3</sub>



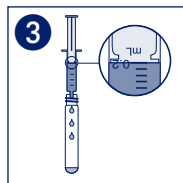
Probe / sample  
échantillon / muestra



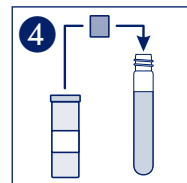
**1**  
Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



**2**  
5 mL Probe  
Sample  
Echantillon  
Muestra



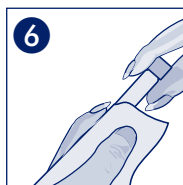
**3**  
200 µL TA-1



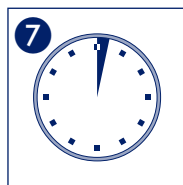
**4** 1 NANOFIX TA-2



**5**  
Schütteln  
Shake  
Agiter  
Agitar



**6**  
Säubern  
Clean  
Nettoyer  
Limpiar



**7**  
2'00 min



**8**  
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



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visocolor® ECO Ammonium 3 Amonio

## Test 5-08

REF 931 208

690 nm

Method(e) / Método

5081

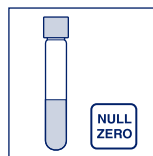
0.1–2.0 mg/L NH<sub>4</sub>-N

5082

0.1–2.5 mg/L NH<sub>4</sub><sup>+</sup>

5083

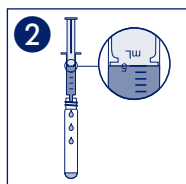
0.1–2.0 mg/L NH<sub>3</sub>



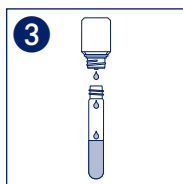
Probe / sample  
échantillon / muestra



Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



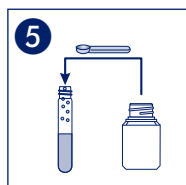
5 mL Probe  
Sample  
Echantillon  
Muestra



10 ⚭ NH<sub>4</sub>-1



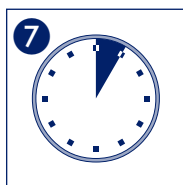
Schütteln  
Shake  
Agiter  
Agitar



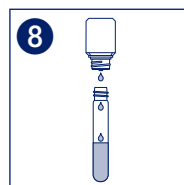
1 ⚭ NH<sub>4</sub>-2



Schütteln  
Shake  
Agiter  
Agitar



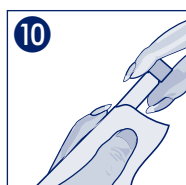
5'00 min



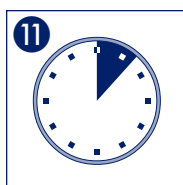
4 ⚭ NH<sub>4</sub>-3



Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



7'00 min



Messung  
Measurement  
Mesure  
Medición



1+9  
Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visocolor<sup>®</sup> ECO Ammonium 15

## Amonio

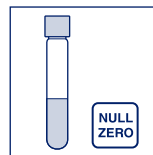
# Test 5-10

REF 931 210

585 nm

Method(e) / Método

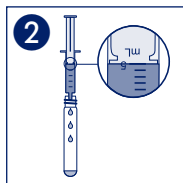
<b>5101</b>	0.4–6.2 mg/L NH <sub>4</sub> -N
<b>5102</b>	0.5–8.0 mg/L NH <sub>4</sub> <sup>+</sup>
<b>5103</b>	0.5–8.0 mg/L NH <sub>3</sub>



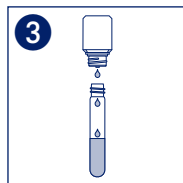
Probe / sample  
échantillon / muestra



**1**  
Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



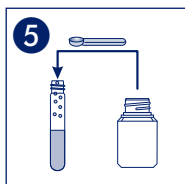
**2**  
5 mL Probe  
Sample  
Echantillon  
Muestra



**10** ∆ NH<sub>4</sub>-1



**4**  
Schütteln  
Shake  
Agiter  
Agitar



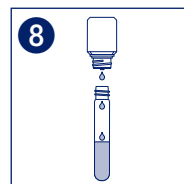
**1** ∆ NH<sub>4</sub>-2



**6**  
Schütteln  
Shake  
Agiter  
Agitar



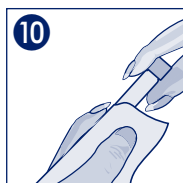
**5'00 min**



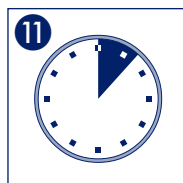
**4** ∆ NH<sub>4</sub>-3



**9**  
Schütteln  
Shake  
Agiter  
Agitar



**10**  
Säubern  
Clean  
Nettoyer  
Limpiar



**7'00 min**



**12**  
Messung  
Measurement  
Mesure  
Medición



**1+9**  
Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visocolor® ECO Brom (frei)

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

540 nm

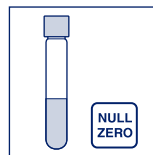
Method(e) / Método

5111

0.10–13.00 mg/L Br<sub>2</sub>

**Test 5-11**

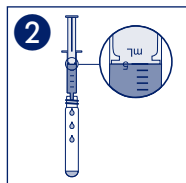
REF 931 211



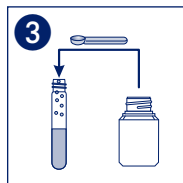
Probe / sample  
échantillon / muestra



**1**  
Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



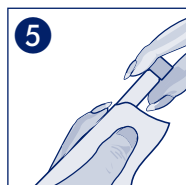
**2**  
5 mL Probe  
Sample  
Echantillon  
Muestra



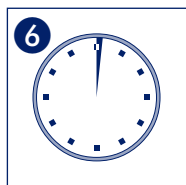
**3**  
1 Br<sub>2</sub>-1



**4**  
20 s Schütteln  
Shake  
Agiter  
Agitar



**5**  
Säubern  
Clean  
Nettoyer  
Limpiar



**6**  
1'00 min



**7**  
Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visicolor<sup>®</sup> ECO Brom (gesamt)

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

### Test 5-11

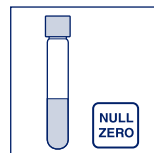
REF 931 211

540 nm

Method(e) / Método

5112

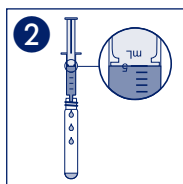
0.10–13.00 mg/L Br<sub>2</sub>



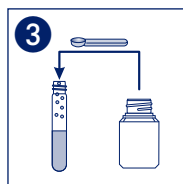
Probe / sample  
échantillon / muestra



**1**  
Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



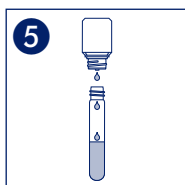
**2**  
5 mL Probe  
Sample  
Echantillon  
Muestra



**3** 1 Br<sub>2</sub>-1



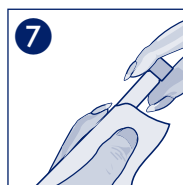
**4**  
20 s Schütteln  
Shake  
Agiter  
Agitar



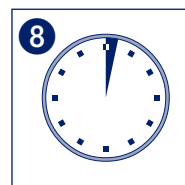
**5** 3 Br<sub>2</sub>-2



**6**  
Schütteln  
Shake  
Agiter  
Agitar



**7**  
Säubern  
Clean  
Nettoyer  
Limpiar



**8**  
2'00 min



Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visocolor® ECO Chlor 2 (frei) Chlorine (free)/Chlore (libre)/Cloro (libre)

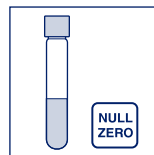
**Test 5-15/5-16**

REF 931 215/931 216

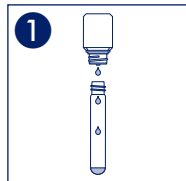
540 nm

Method(e) / Método

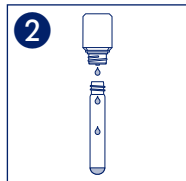
5151/5161 0.10–2.00 mg/L Cl<sub>2</sub>



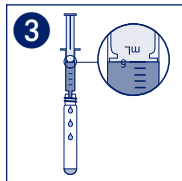
Probe / sample  
échantillon / muestra



3  $\Delta$  Cl<sub>2</sub>-1



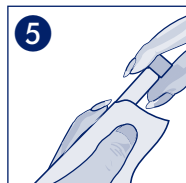
3  $\Delta$  Cl<sub>2</sub>-2



5 mL Probe  
Sample  
Echantillon  
Muestra



Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



Messung sofort  
Measurement immediately  
Mesure immédiatement  
Medición inmediatamente



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visicolor<sup>®</sup> ECO Chlor 2 (gesamt)

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

**Test 5-15**

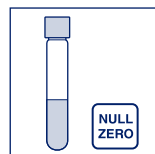
REF 931 215

540 nm

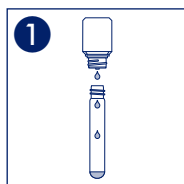
Method(e) / Método

5152

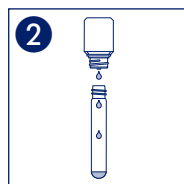
0.10–2.00 mg/L Cl<sub>2</sub>



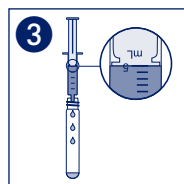
Probe / sample  
échantillon / muestra



3 ♯ Cl<sub>2</sub>-1



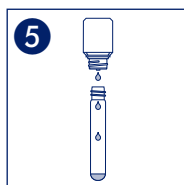
3 ♯ Cl<sub>2</sub>-2



5 mL Probe  
Sample  
Echantillon  
Muestra



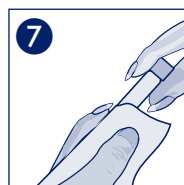
Schütteln  
Shake  
Agiter  
Agitar



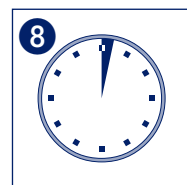
3 ♯ Cl<sub>2</sub>-3



Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



2'00 min



Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar



# visocolor® ECO Chlor 6 (frei)

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

Test 5-17/5-19

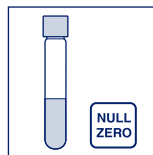
REF 931 217/931 219

540 nm

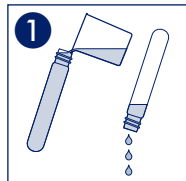
Method(e) / Método

5171/5191

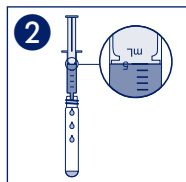
0.05–6.00 mg/L Cl<sub>2</sub>



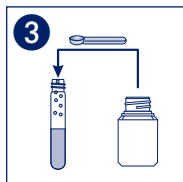
Probe / sample  
échantillon / muestra



**1**  
Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



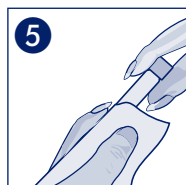
**2**  
5 mL Probe  
Sample  
Echantillon  
Muestra



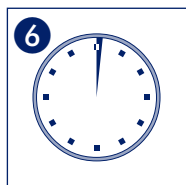
**3**  
1 Cl<sub>2</sub>-1



**4**  
20 s Schütteln  
Shake  
Agiter  
Agitar



**5**  
Säubern  
Clean  
Nettoyer  
Limpiar



**6**  
1'00 min



**7**  
Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visicolor<sup>®</sup> ECO Chlor 6 (gesamt)

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

### Test 5-17

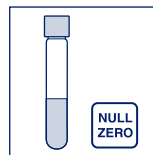
REF 931 217

540 nm

Method(e) / Método

5172

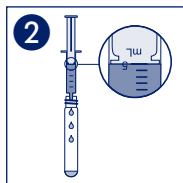
0.05–6.00 mg/L Cl<sub>2</sub>



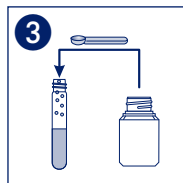
Probe / sample  
échantillon / muestra



**1**  
Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



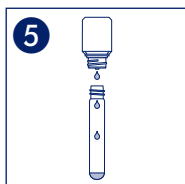
**2**  
5 mL Probe  
Sample  
Echantillon  
Muestra



**3** 1 Cl<sub>2</sub>-1



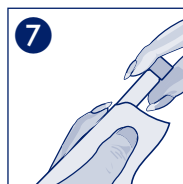
**4**  
20 s Schütteln  
Shake  
Agiter  
Agitar



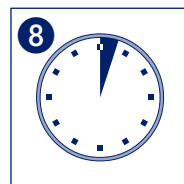
**5** 3 Cl<sub>2</sub>-2



**6**  
Schütteln  
Shake  
Agiter  
Agitar



**7**  
Säubern  
Clean  
Nettoyer  
Limpiar



**8** 3'00 min



Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visicolor® ECO Chlorid

Chloride / Chlorure / Cloruro

470 nm

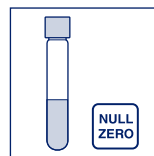
Method(e) / Método

5181

1–50 mg/L Cl<sup>-</sup>

**Test 5-18**

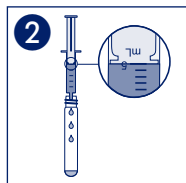
REF 931 218



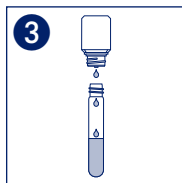
Probe / sample  
échantillon / muestra



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



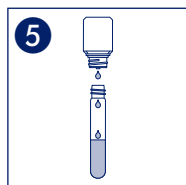
2  
5 mL Probe  
Sample  
Echantillon  
Muestra



3  
10  Cl-1



4  
Schütteln  
Shake  
Agiter  
Agitar



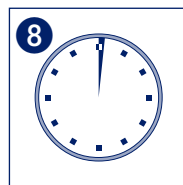
5  
10  Cl-2



6  
Schütteln  
Shake  
Agiter  
Agitar



7  
Säubern  
Clean  
Nettoyer  
Limpiar



8  
1'00 min



Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visicolor<sup>®</sup> ECO Chrom(VI)

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

### Test 5-20

REF 931 220

540 nm

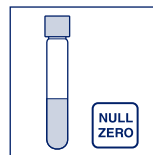
Method(e) / Método

5201

0.02–0.50 mg/L Cr(VI)

5202

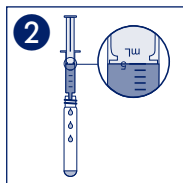
0.04–1.00 mg/L CrO<sub>4</sub><sup>2-</sup>



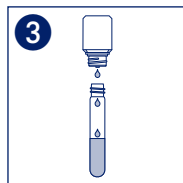
Probe / sample  
échantillon / muestra



Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



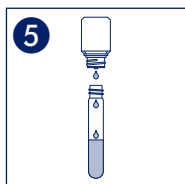
5 mL Probe  
Sample  
Echantillon  
Muestra



5 ∆ Cr-1



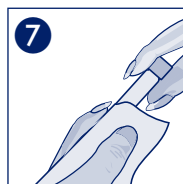
Schütteln  
Shake  
Agiter  
Agitar



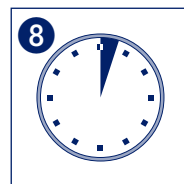
5 ∆ Cr-2



Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



3'00 min



Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visocolor® ECO Chlordioxid

Chlorine dioxide / Dioxyde de chlore / Cloro dióxido

**Test 5-21**

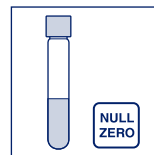
REF 931 221

540 nm

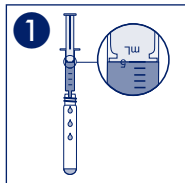
Method(e) / Método

5211

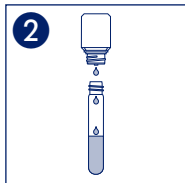
0.20–3.80 mg/L ClO<sub>2</sub>



Probe / sample  
échantillon / muestra



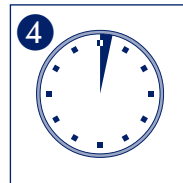
**1**  
5 mL Probe  
Sample  
Echantillon  
Muestra



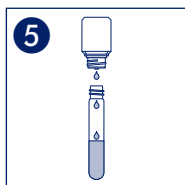
**2** 2  $\Delta$  ClO<sub>2</sub>-1



**3**  
Schütteln  
Shake  
Agiter  
Agitar



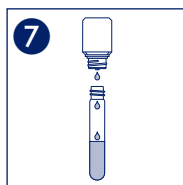
**4**  
2'00 min



**5** 3  $\Delta$  ClO<sub>2</sub>-2



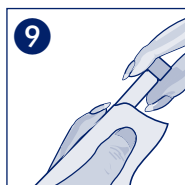
**6**  
Schütteln  
Shake  
Agiter  
Agitar



**7** 3  $\Delta$  ClO<sub>2</sub>-3



**8**  
Schütteln  
Shake  
Agiter  
Agitar



**9**  
Säubern  
Clean  
Nettoyer  
Limpiar



**10**  
Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visocolor<sup>®</sup> ECO Cyanid

Cyanide / Cyanure / Cianuro

## Test 5-22

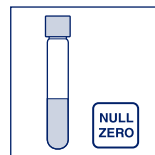
REF 931 222

690 nm

Method(e) / Método

5221

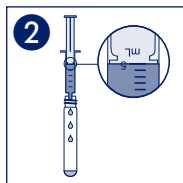
0.01–0.20 mg/L CN<sup>-</sup>



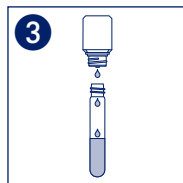
Probe / sample  
échantillon / muestra



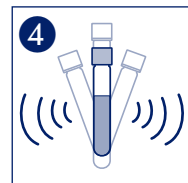
**1**  
Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



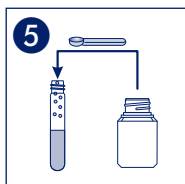
**2** 5 mL Probe  
Sample  
Echantillon  
Muestra



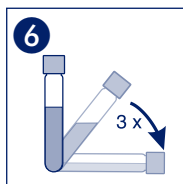
**3** 5  CN-1



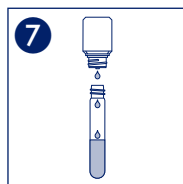
**4**  
Schütteln  
Shake  
Agiter  
Agitar



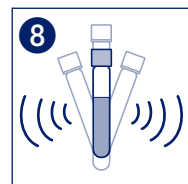
**5** 1  CN-2



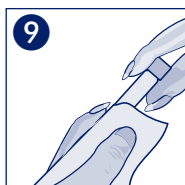
**6**  
Umschwenken  
Shake gently  
Secouer légèrement  
Mezclar volteándolo



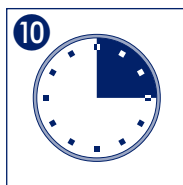
**7** 5  CN-3



**8**  
Schütteln  
Shake  
Agiter  
Agitar



**9**  
Säubern  
Clean  
Nettoyer  
Limpiar



**10** 15'00 min



**11**  
Messung  
Measurement  
Mesure  
Medición



**1+9**  
Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visocolor® ECO Cyanursäure

Cyanuric acid / Acide cyanurique / Ácido cianúrico

**Test 5-23**

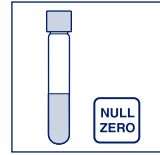
REF 931 223

540 nm

Method(e) / Método

5231

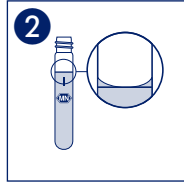
10–100 mg/L Cya



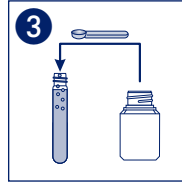
Probe / sample  
échantillon / muestra



**1**  
Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



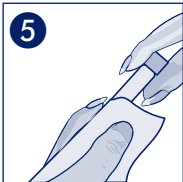
**2**  
10 mL Probe  
Sample  
Echantillon  
Muestra



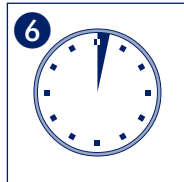
**3**  
½ Cya-1



**4**  
15 s Schütteln  
Shake  
Agiter  
Agitar



**5**  
Säubern  
Clean  
Nettoyer  
Limpiar



**6**  
2'00 min



**7**  
Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visocolor<sup>®</sup> ECO Eisen 1

## Iron / Fer / Hierro

### Test 5-25

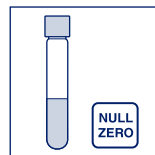
REF 931 225

540 nm

Method(e) / Método

5251

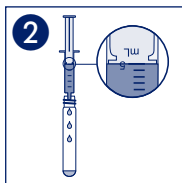
0.04–2.00 mg/L Fe



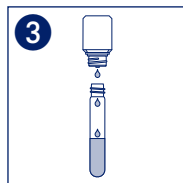
Probe / sample  
échantillon / muestra



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



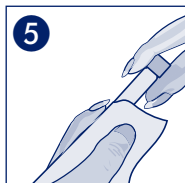
2  
5 mL Probe  
Sample  
Echantillon  
Muestra



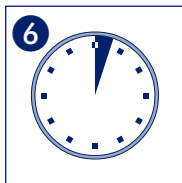
3  
5  $\text{D}$  Fe-1



4  
Schütteln  
Shake  
Agiter  
Agitar



5  
Säubern  
Clean  
Nettoyer  
Limpiar



6  
3'00 min



7  
Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar



# visicolor® ECO Eisen 2

## Iron / Fer / Hierro

540 nm

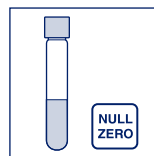
Method(e) / Método

5261

0.04–2.00 mg/L Fe

### Test 5-26

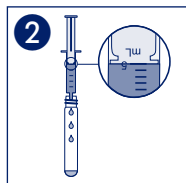
REF 931 226



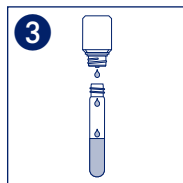
Probe / sample  
échantillon / muestra



**1**  
Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



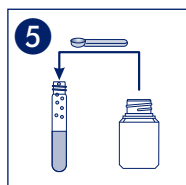
**2**  
5 mL Probe  
Sample  
Echantillon  
Muestra



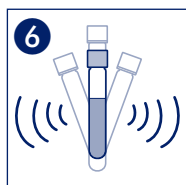
**3**  
4  $\text{H}_2\text{O}$  Fe-1



**4**  
Schütteln  
Shake  
Agiter  
Agitar



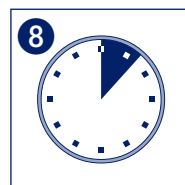
**5**  
1  $\text{H}_2\text{O}$  Fe-2



**6**  
Schütteln  
Shake  
Agiter  
Agitar



**7**  
Säubern  
Clean  
Nettoyer  
Limpiar



**8**  
7'00 min



Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visicolor<sup>®</sup> ECO Fluorid

## Fluoride / Fluorure / Fluoruro

# Test 5-27

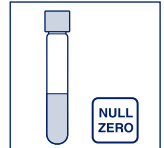
REF 931 227

585 nm

Method(e) / Método

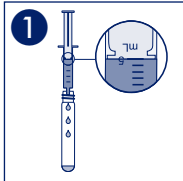
5271

0.1–2.0 mg/L F<sup>-</sup>

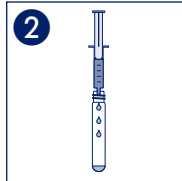


Nullwert / Blanc value  
Zéro / Cero

### Nullwert / Blanc value / Zéro / Cero



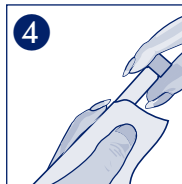
**1**  
5 mL dest. Wasser  
dist. water  
d'eau distillée  
agua dest.



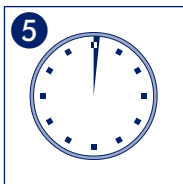
**2**  
500 µL F-1



**3**  
Schütteln  
Shake  
Agiter  
Agitar



**4**  
Säubern  
Clean  
Nettoyer  
Limpiar



**1'00 min**

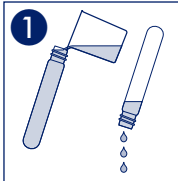


**6**  
Nullwert  
Blanc value  
Zéro  
Cero

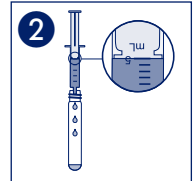


Meerwasser  
Sea water  
Eau de mer  
Agua de mar

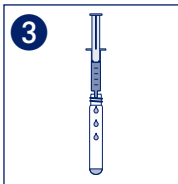
### Messwert / Sample / Echantillon / Muestra



**1**  
Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



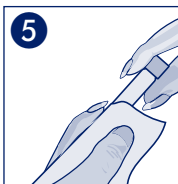
**2**  
5 mL Probe  
Sample  
Echantillon  
Muestra



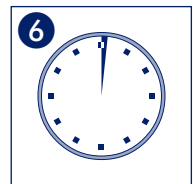
**3**  
600 µL F-1



**4**  
Schütteln  
Shake  
Agiter  
Agitar



**5**  
Säubern  
Clean  
Nettoyer  
Limpiar



**1'00 min**



Messung  
Measurement  
Mesure  
Medición

# visocolor® ECO Hydrazin

## Hydrazine / Idrazina

436 nm

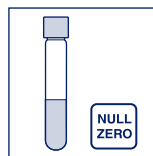
Method(e) / Método

5301

0.05–0.40 mg/L  $N_2H_4$

### Test 5-30

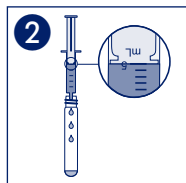
REF 931 230



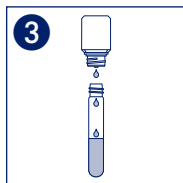
Probe / sample  
échantillon / muestra



**1**  
Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



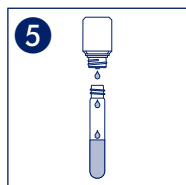
**2**  
5 mL Probe  
Sample  
Echantillon  
Muestra



**3**  
5  $\text{N}_2\text{H}_4$ -1



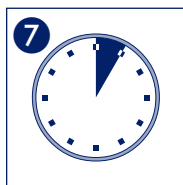
**4**  
Schütteln  
Shake  
Agiter  
Agitar



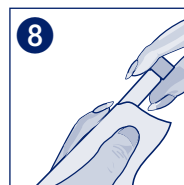
**5**  
5  $\text{N}_2\text{H}_4$ -2



**6**  
Schütteln  
Shake  
Agiter  
Agitar



**7**  
5'00 min



**8**  
Säubern  
Clean  
Nettoyer  
Limpiar



Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visocolor<sup>®</sup> ECO Kalium

## Potassium / Potasio

### Test 5-32

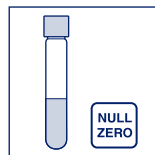
REF 931 232

690 nm

Method(e) / Método

5321

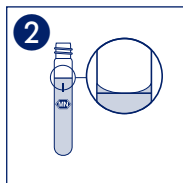
2–25 mg/L K<sup>+</sup>



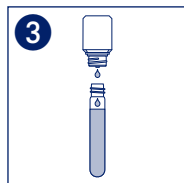
Probe / sample  
échantillon / muestra



**1**  
Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



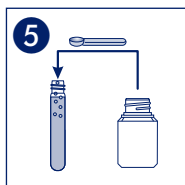
**2**  
10 mL Probe  
Sample  
Echantillon  
Muestra



**3**  
15 ♀ K-1



**4**  
Schütteln  
Shake  
Agiter  
Agitar



**5**  
1 ♂ K-2



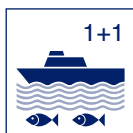
**6**  
30 s Schütteln  
Shake  
Agiter  
Agitar



**7**  
Säubern  
Clean  
Nettoyer  
Limpiar



**8**  
Messung sofort  
Measurement immediately  
Mesure immédiatement  
Medición inmediatamente



1+1  
Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visocolor® ECO Kieselsäure

## Silica / Silice

### Test 5-33

REF 931 233

690 nm

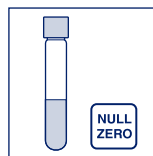
Method(e) / Método

5331

0.2–3.0 mg/L SiO<sub>2</sub>

5332

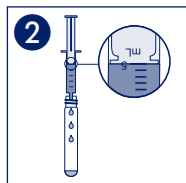
0.1–1.4 mg/L Si



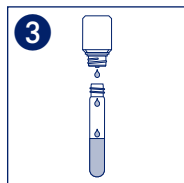
Probe / sample  
échantillon / muestra



Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



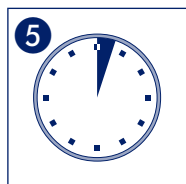
5 mL Probe  
Sample  
Echantillon  
Muestra



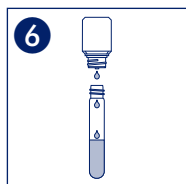
5 ⚡ SiO<sub>2</sub>-1



Schütteln  
Shake  
Agiter  
Agitar



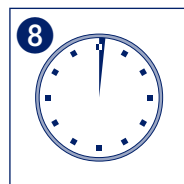
3'00 min



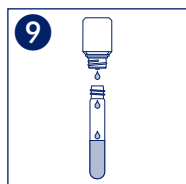
5 ⚡ SiO<sub>2</sub>-2



Schütteln  
Shake  
Agiter  
Agitar



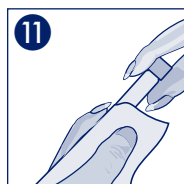
1'00 min



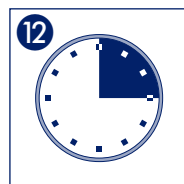
5 ⚡ SiO<sub>2</sub>-3



Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



15'00 min



Messung  
Measurement  
Mesure  
Medición

Meerwasser  
Sea water  
Eau de mer  
Agua de mar



# visocolor® ECO Chlor 1 (frei)

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

**Test 5-35**

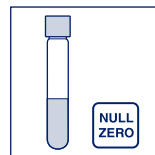
REF 931 035

540 nm

Method(e) / Método

5351

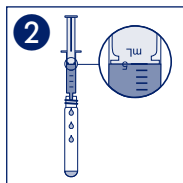
0.05–2.00 mg/L Cl<sub>2</sub>



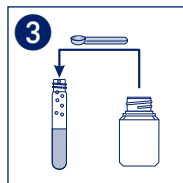
Probe / sample  
échantillon / muestra



**1**  
Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



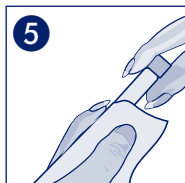
**2**  
5 mL Probe  
Sample  
Echantillon  
Muestra



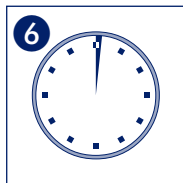
**3** 1  Cl<sub>2</sub>-1



**4**  
20 s Schütteln  
Shake  
Agiter  
Agitar



**5**  
Säubern  
Clean  
Nettoyer  
Limpiar



**6**  
1'00 min



**7**  
Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visocolor® ECO Chlor 1 (gesamt) Chlorine (total)/Chlore (totale)/Cloro (total)

**Test 5-35**

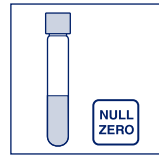
REF 931 035

540 nm

Method(e) / Método

5352

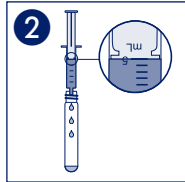
0.05–2.00 mg/L Cl<sub>2</sub>



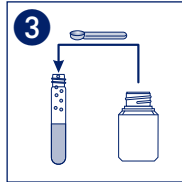
Probe / sample  
échantillon / muestra



Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



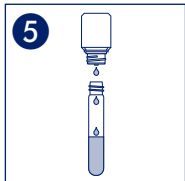
5 mL Probe  
Sample  
Echantillon  
Muestra



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



20 s Schütteln  
Shake  
Agiter  
Agitar



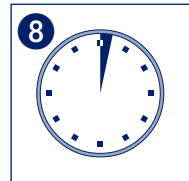
3  Cl<sub>2</sub>-2



Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



2'00 min



Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visicolor<sup>®</sup> ECO Kupfer

Copper / Cuivre / Cobre

## Test 5-37

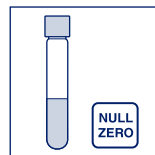
REF 931 237

585 nm

Method(e) / Método

5371

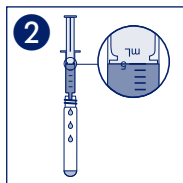
0.1–5.0 mg/L Cu<sup>2+</sup>



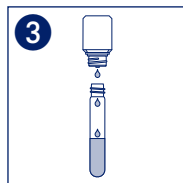
Probe / sample  
échantillon / muestra



Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



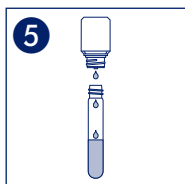
5 mL Probe  
Sample  
Echantillon  
Muestra



5 ∆ Cu-1



Schütteln  
Shake  
Agiter  
Agitar



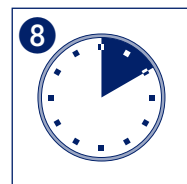
5 ∆ Cu-2



Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



10'00 min



Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar



# visicolor® ECO Mangan

## Manganese / Manganèse / Manganeso

436 nm

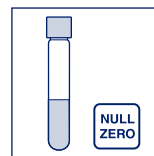
Method(e) / Método

5381

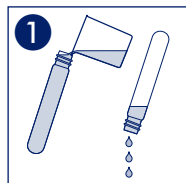
0.1–5.0 mg/L Mn

### Test 5-38

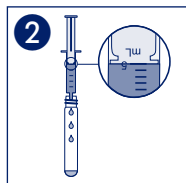
REF 931 238



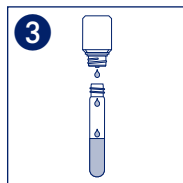
Probe / sample  
échantillon / muestra



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



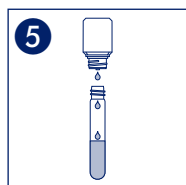
2  
5 mL Probe  
Sample  
Echantillon  
Muestra



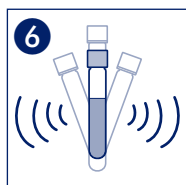
3  
5  $\text{Mn-1}$



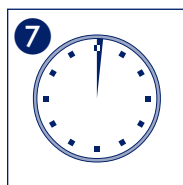
4  
Schütteln  
Shake  
Agiter  
Agitar



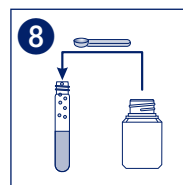
5  
7  $\text{Mn-2}$



6  
Schütteln  
Shake  
Agiter  
Agitar



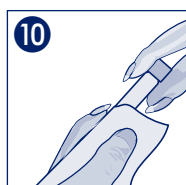
7  
1'00 min



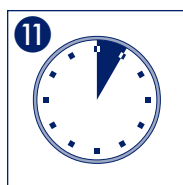
8  
1  $\text{Mn-3}$



9  
Schütteln  
Shake  
Agiter  
Agitar



10  
Säubern  
Clean  
Nettoyer  
Limpiar



11  
5'00 min



12  
Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visocolor<sup>®</sup> ECO Nickel

## Níquel

470 nm

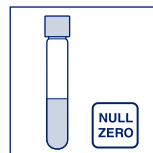
Method(e) / Método

5401

0.04–5.00 mg/L Ni<sup>2+</sup>

### Test 5-40

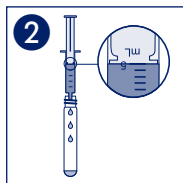
REF 931 240



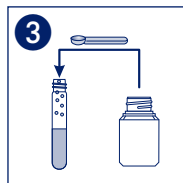
Probe / sample  
échantillon / muestra



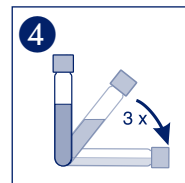
1  
Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



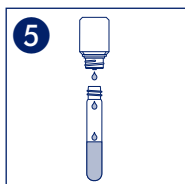
2  
5 mL Probe  
Sample  
Echantillon  
Muestra



3  
1 Ni-1



4  
Umschwenken  
Shake gently  
Secouer légèrement  
Mezclar volteándolo



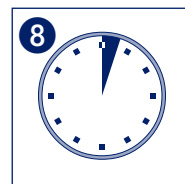
5 Ni-2



6  
Schütteln  
Shake  
Agiter  
Agitar



7  
Säubern  
Clean  
Nettoyer  
Limpiar



8  
3'00 min



Messung  
Measurement  
Mesure  
Medición



1+9  
Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visicolor® ECO Nitrat

## Nitrate / Nitrato

436 nm

Method(e) / Método

5411

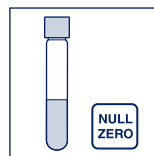
1.0–14.0 mg/L  $\text{NO}_3\text{-N}$

5412

4–60 mg/L  $\text{NO}_3^-$

### Test 5-41

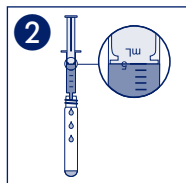
REF 931 241



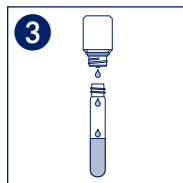
Probe / sample  
échantillon / muestra



Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



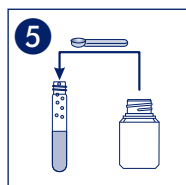
5 mL Probe  
Sample  
Echantillon  
Muestra



5  $\text{NO}_3\text{-1}$



Schütteln  
Shake  
Agiter  
Agitar



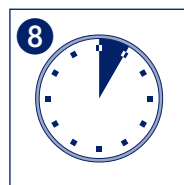
1  $\text{NO}_3\text{-2}$



1 min Kräftig schütteln  
Shake well  
Bien agiter  
Agitar intente



Säubern  
Clean  
Nettoyer  
Limpiar



5'00 min



Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visicolor<sup>®</sup> ECO Nitrit

Nitrite / Nitrito

**Test 5-44**

REF 931 244

540 nm

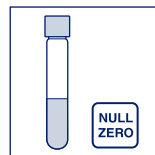
Method(e) / Método

5441

0.01–0.15 mg/L NO<sub>2</sub><sup>-</sup>N

5442

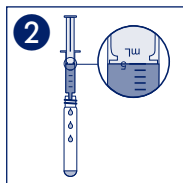
0.02–0.50 mg/L NO<sub>2</sub><sup>-</sup>



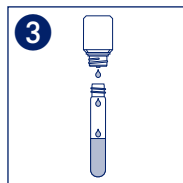
Probe / sample  
échantillon / muestra



Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



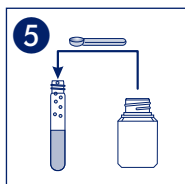
5 mL Probe  
Sample  
Echantillon  
Muestra



4  $\Delta$  NO<sub>2</sub>-1



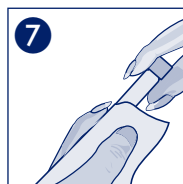
Schütteln  
Shake  
Agiter  
Agitar



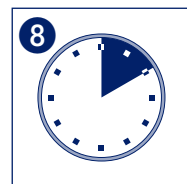
1  $\Delta$  NO<sub>2</sub>-2



Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



10'00 min



Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visocolor® ECO pH 6.0–8.2

## Test 5-70

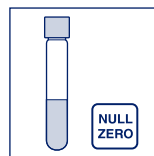
REF 931 270

436/540 nm

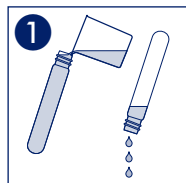
Method(e) / Método

5701

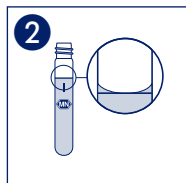
6.0–8.2 pH



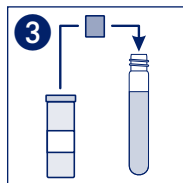
Probe / sample  
échantillon / muestra



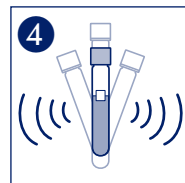
1  
Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



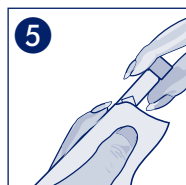
2  
10 mL Probe  
Sample  
Echantillon  
Muestra



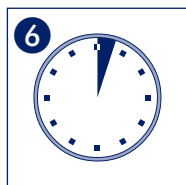
3  
1 NANOFIX pH



4  
Schütteln  
Shake  
Agiter  
Agitar



5  
Säubern  
Clean  
Nettoyer  
Limpiar



6  
3'00 min



7  
Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visocolor<sup>®</sup> ECO Phosphat

## Phosphate / Fosfato

# Test 5-84

REF 931 284

690 nm

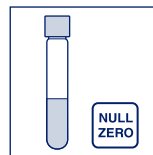
Method(e) / Método

5841

0.2–5.0 mg/L PO<sub>4</sub>-P

5842

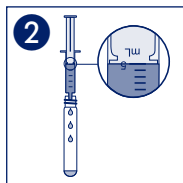
0.6–15.0 mg/L PO<sub>4</sub><sup>3-</sup>



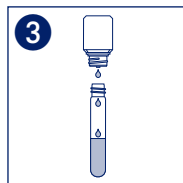
Probe / sample  
échantillon / muestra



Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



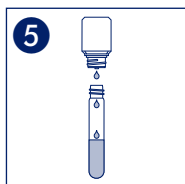
5 mL Probe  
Sample  
Echantillon  
Muestra



6 ∆ PO<sub>4</sub>-1



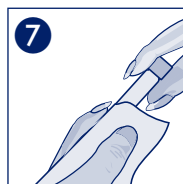
Schütteln  
Shake  
Agiter  
Agitar



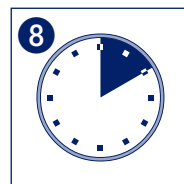
6 ∆ PO<sub>4</sub>-2



Schütteln  
Shake  
Agiter  
Agitar



Säubern  
Clean  
Nettoyer  
Limpiar



10'00 min



Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visicolor<sup>®</sup> ECO Sauerstoff

Oxygen / Oxygène / Oxígeno

540 nm

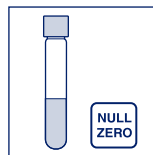
Method(e) / Método

5881

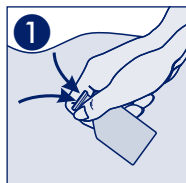
1–8 mg/L O<sub>2</sub>

**Test 5-88**

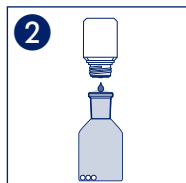
REF 931 288



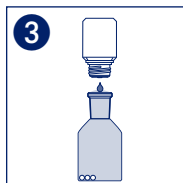
Probe / sample  
échantillon / muestra



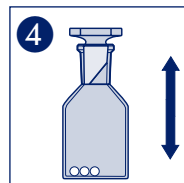
1  
Probe  
Sample  
Echantillon  
Muestra



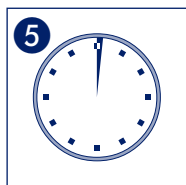
2  
5  $\Delta$  O<sub>2</sub>-1



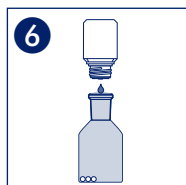
3  
5  $\Delta$  O<sub>2</sub>-2



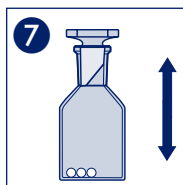
4  
Schütteln  
Shake  
Agiter  
Agitar



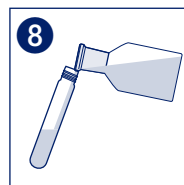
5  
1'00 min



6  
12  $\Delta$  O<sub>2</sub>-3



7  
Schütteln  
Shake  
Agiter  
Agitar



8  
5 mL in Rundküvette  
into test tube  
dans tube  
en tubo



9  
Säubern  
Clean  
Nettoyer  
Limpiar



10  
Messung sofort  
Measurement immediately  
Mesure immédiatement  
Medición inmediatamente



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visocolor<sup>®</sup> ECO Sulfat

Sulphate / Sulfate / Sulfato

**Test 5-92**

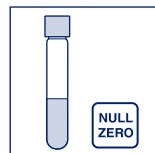
REF 931 292

436 nm

Method(e) / Método

5921

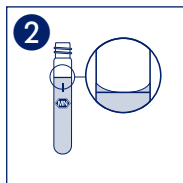
20–200 mg/L SO<sub>4</sub><sup>2-</sup>



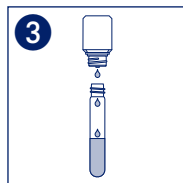
Probe / sample  
échantillon / muestra



Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



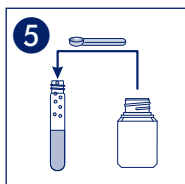
10 mL Probe  
Sample  
Echantillon  
Muestra



10  SO<sub>4</sub>-1



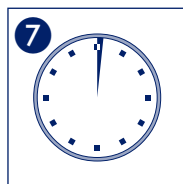
Schütteln  
Shake  
Agiter  
Agitar



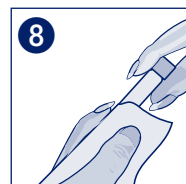
1  SO<sub>4</sub>-2



Schütteln  
Shake  
Agiter  
Agitar



1'00 min



Säubern  
Clean  
Nettoyer  
Limpiar



Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar



# visicolor® ECO Sulfid

## Sulphide / Sulfure / Sulfuro

620 nm

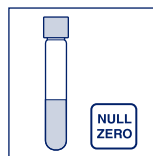
Method(e) / Método

5941

0.05–0.80 mg/L S<sup>2-</sup>

### Test 5-94

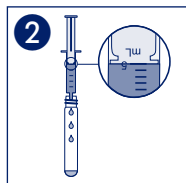
REF 931 294



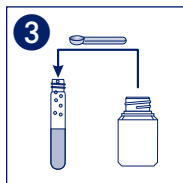
Probe / sample  
échantillon / muestra



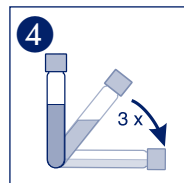
**1**  
Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



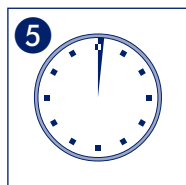
**2**  
5 mL Probe  
Sample  
Echantillon  
Muestra



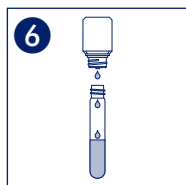
**3**  
1 S-1



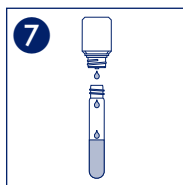
**4**  
Umschwenken  
Shake gently  
Secouer légèrement  
Mezclar volteándolo



**5**  
1'00 min



**6**  
5 S-2



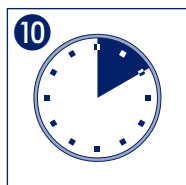
**7**  
5 S-3



**8**  
Schütteln  
Shake  
Agiter  
Agitar



**9**  
Säubern  
Clean  
Nettoyer  
Limpiar



**10**  
10'00 min



**11**  
Messung  
Measurement  
Mesure  
Medición



Meerwasser  
Sea water  
Eau de mer  
Agua de mar

# visicolor<sup>®</sup> ECO Zink

## Zinc

### Test 5-98

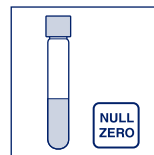
REF 931 298

620 nm

Method(e) / Método

5981

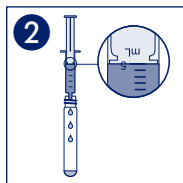
0.1–3.0 mg/L Zn<sup>2+</sup>



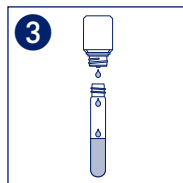
Probe / sample  
échantillon / muestra



**1**  
Küvetten spülen  
Rinse test tubes  
Rincer les éprouvettes  
Lavar los tubos



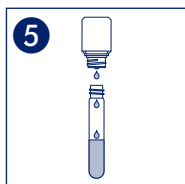
**2**  
5 mL Probe  
Sample  
Echantillon  
Muestra



**3**  
5 ∆ Zn-1



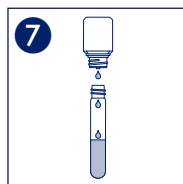
**4**  
Schütteln  
Shake  
Agiter  
Agitar



**5**  
5 ∆ Zn-2



**6**  
Schütteln  
Shake  
Agiter  
Agitar



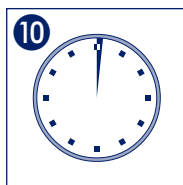
**7**  
10 ∆ Zn-3



**8**  
Schütteln  
Shake  
Agiter  
Agitar



**9**  
Säubern  
Clean  
Nettoyer  
Limpiar



**10**  
1'00 min

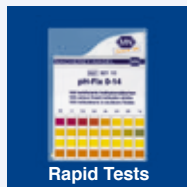


**11**  
Messung  
Measurement  
Mesure  
Medición



1+9  
Meerwasser  
Sea water  
Eau de mer  
Agua de mar

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