

PHOTOPOD LS

ANALYSIS LIST



Photopod LS is a photometer that has 70 methods allowing to measure 40 parameters.

- Reagents are available as liquids, tablets or tubes.*
- A starting kit is composed of the reagents, the material and the operating procedure needed for the analysis. A refill kit contains only reagents.
- Time is presented for information purpose only.

**For tubes : the available parameters are COD, Total Nitrogen, Ammonia, Nitrites, Nitrates & Total Phosphorus. Please contact us for more information.*

PHOTOPOD LS AVAILABLE METHODS

Parameter		Range	Reagents	Time (mn)	Starting kit for Photopod	Nbr test	Reagents refill for Photopod	Nbr test
Alkalinity	TA	2,0 - 50,0 °F	tablet	5	1MT134	100	1MT045	250
Alkalinity	TAC	2,0 - 50,0 °F	tablet	4	1MT135	100	1MT046	250
Aluminium	Al ³⁺	0,05 - 3,00 mg/L	liquid	5	1MT136	150	1MT303	300
Ammonium	NH ₄ ⁺ -N	0,80 - 24,0 mg/L N	liquid	6	1MT002	150	1MT305	300
Ammonium	NH ₄ ⁺ -N	0,20 - 4,80 mg/L N	liquid	6	1MT002	125	1MT305	250
Ammonium	NH ₄ ⁺ -N	0,08 - 1,60 mg/L N	tablet	11	1MT193	100	1MT306	250
Ammonium#	NH ₄ ⁺ -N	0,08 - 1,60 mg/L N	tablet	11	1MT003	100	1MT358	250
Benzotriazole	BZT	1,00 - 16,0 mg/L	liquid	5,5	1MT078	100	1MT307	200
Bromine	Br ₂	0,10 - 2,25 mg/L	tablet	4	1MT138	100	1MT004	250
Bromine	Br ₂	1,00 - 13,5 mg/L	tablet	7	1MT138	100	1MT004	250

Compatible with sea water

Parameter		Range	Reagents	Time (mn)	Starting kit for Photopod	Nbr test	Reagents refill for Photopod	Nbr test
Chromium 6	Cr ⁶⁺ -CrO ₄ ²⁻	0,10 - 4,00 mg/L Cr ⁶⁺	liquid	1,5	1MT180	200	1MT009	200
Chlorides	Cl ⁻	1,0 - 50,0 mg/L	liquid	4	1MT044	125	1MT310	250
Chlorides	Cl ⁻	10 - 500 mg/L	liquid	5	1MT044	125	1MT310	250
Chlorine Dioxide	ClO ₂	0,20 - 4,75 mg/L	tablet	4	1MT177	100	1MT069	250
Chlorine Dioxide	ClO ₂	2,4 - 28,5 mg/L	tablet	7	1MT177	100	1MT069	250
Copper	Cu ²⁺	0,05 - 5,00 mg/L	liquid	3,5	1MT181	200	1MT313	200
Cyanides	CN ⁻	0,02 - 0,50 mg/L	liquid	11	1MT012	150	1MT315	300
Cyanuric Acid	Cyan.Ac.	10 - 200 mg/l	liquid	5	1MT130	100	1MT301	200
DEHA	DEHA	0,02 - 1,00 mg/L	liquid	11,5	1MT182	200	1MT112	200
Free Chlorine	Cl ₂	0,05 - 1,00 mg/L	tablet	4	1MT140	100	1MT116	250
Free Chlorine	Cl ₂	0,50 - 6,00 mg/L	tablet	7	1MT140	100	1MT116	250
Hydrogen Peroxide	H ₂ O ₂	2 - 200 mg/L	tablet	1,5	1MT148	100	1MT321	250
Hydrogen Peroxide	H ₂ O ₂	0,05 - 2,00 mg/L	tablet	2,5	1MT149	100	1MT322	250
Hardness	TH	2,0 - 20,0 °F	tablet	4	1MT143	100	1MT047	250
Hardness	TH	5,0 - 50,0 °F	tablet	5	1MT143	100	1MT047	250
Hydrazin	N ₂ H ₄	0,10 - 1,00 mg/L	liquid	3	1MT019	25	1MT323	100
Iron	Fe	0,05 - 5,00 mg/L	liquid	3	1MT144	150	1MT317	300
Iron	Fe	1,0 - 10,0 mg/L	liquid	12	1MT194	100	1MT359	200
Magnesium	Mg ²⁺	0,50 - 5,00 mg/L	tablet	4	1MT161	100	1MT325	250
Magnesium	Mg ²⁺	5,0 - 50,0 mg/L	tablet	5	1MT161	100	1MT325	250
Manganese	Mn ²⁺	0,20 - 5,00 mg/L	liquid	6	1MT050	125	1MT326	250
Molybdate	MoO ₄ -Mo	0,5 - 20,0 mg/L Mo	liquid	1,5	1MT183	200	1MT329	200
Molybdate	MoO ₄ -Mo	20 - 200 mg/L Mo	liquid	1,5	1MT183	200	1MT329	200
Nickel	Ni ²⁺	0,10 - 5,00 mg/L	liquid	4	1MT164	100	1MT331	200
Nitrates#	NO ₃ ⁻ -N	0,06 - 2,30 mg/L N	liquid	10	1MT184	25	1MT350	50
Nitrates#	NO ₃ ⁻ -N	0,6 - 23,0 mg/L N	liquid	10	1MT184	25	1MT350	50
Nitrites#	NO ₂ ⁻ -N	0,01 - 0,60 mg/L N	liquid	6	1MT027	150	1MT334	300
Ozone	O ₃	0,30 - 4,00 mg/L	tablet	7	1MT029	100	1MT337	250
Ozone	O ₃	0,03 - 0,65 mg/L	tablet	4	1MT029	100	1MT337	250
pH	pH	6,8 - 8,6	liquid	0,5	1MT036	125	1MT338	250
Phosphates	P ₂ O ₅	1,0 - 36,0 mg/L	liquid	11	1MT030	125	1MT352	250
Phosphates	PO ₄ ³⁻ -P	0,06 - 1,60 mg/L	liquid	11	1MT030	125	1MT352	250
Phosphates	PO ₄ ³⁻ -P	0,06 - 1,60 mg/L P	liquid	11	1MT030	125	1MT352	250
Phosphates	PO ₄ ³⁻ -P&P ₂ O ₅	0,50 - 13,0 mg/L P	liquid	6	1MT031	125	1MT351	250
Potassium	K ⁺	2,00 - 15,0 mg/L	tablet	4	1MT168	100	1MT340	250
Silica	SiO ₂	10 - 300 mg/l	liquid	8	1MT040	150	1MT341	300
Silica	SiO ₂	0,20 - 10,0 mg/L	liquid	8	1MT040	150	1MT341	300
Silica	SiO ₂	0,05 - 10,0 mg/L	tablet	12	1MT170	100	1MT343	200
Sulfates	SO ₄ ²⁻	10 - 400 mg/L	liquid	11	1MT080	100	1MT344	200
Sulfure	S ²⁻	0,05 - 0,60 mg/L	tablet	6	1MT172	100	1MT345	-
Total Chlorine	Cl ₂	0,05 - 1,00 mg/L	tablet	4	1MT192	100	1MT007	250
Total Chlorine	Cl ₂	0,50 - 6,00 mg/L	tablet	7	1MT192	100	1MT007	250
Turbidity	Turbi	10 - 100 NTU	-	0	-	-	-	-
Turbidity	Turbi	100 - 4000 NTU	-	0	-	-	-	-
Zinc	Zn ²⁺	0,05 - 4,00 mg/L	liquid	2	1MT190	200	1MT356	200

Parameter	Range	Reagents	Nbr tubes
Ammonium HR	0,5 - 50 mg/L N	FTI535650	50
Ammonium LR	0,02 - 5 mg/l N	FTI535600	50
COD LR	5 - 150 mg/l	FTI2420720	25
COD LR (mercury-free)	5 - 150 mg/l	FTI2420710	25
COD MR	50 - 1500 mg/l	FTI2420721	25
COD MR (mercury-free)	50 - 1500 mg/l	FTI2420711	25
COD HR	500 - 15000 mg/l	FTI2420722	25
COD HR (mercury-free)	500 - 15000 mg/l	FTI2420712	25
Fluoride	0,1 - 2,00 mg/L F-	1MS110	20
Nitrate	0,1 - 20 mg/l N	FTI2420702	24
Nitrite	0,01 - 1 & 0,1 - 5 mg/l N	FTI2419018	24
Total Nitrogen TN	0,3 - 20 & 3 - 200 mg/l N	FTI2420703	22
Total Phosphorus TP	0,05 - 3 mg/l P	FTI2419019	24

REFERENCES

- PHOTOPOD version full LS | **NA-ORC-C-00240**
- PHOTOPOD version full LS + ODEON | **NC-POR-C-00263**
- PHOTOPOD version full LS + PC connexion box | **NA-PPC-C-00002**

SUPPLEMENTARY MATERIAL FOR ANY METHOD USING LIQUID REAGENTS OR TABLETS :

Accessory kit for photopod | NA-ACC-C-00016

1 accessory kit = 1 method

1 Ø16mm glass tube = 1 sample type

Content:

- 1 x Pair of glass Tubes Ø16 mm | **1CR099**
- 1 x Tube holder for 2 tubes Ø16 mm | **1PT006**
- 1 x Graduated plastic syringue 10 ml | **1SU013**
- 1 x Graduated plastic Tube 30 ml | **14TP00**
- 1 x Plastic funnel | **1EP021**
- 1 x Crushing Rod for tablet method | **1AP018**
- 1 x Demineralized water 125 ml | **1ED010**

SUPPLEMENTARY MATERIAL FOR TUBE METHODS

Some equipment can be used to follow different methods. If you are following only one method at a time, a single unit may be sufficient. Automatic pipettes allow several samples to be prepared quickly.

COD LR and MR, Total Phosphorus

- Heating reactor 24 places | **1RD010**
- Wooden clamp | **1PT007**
- Automatic Pipette 1 - 5 ml | **1PA023**
- Pipette Tip 1 - 5 ml – 500 units | **1EU013**
- Test tube rack 24 holes Ø16 | **1PT013**

COD HR

- Heating reactor 24 places | **1RD010**
- Wooden clamp | **1PT007**
- Automatic pipette 0,1 - 1 ml | **1PA022**
- Pipette Tip 0,1 - 1 ml – 1000 units | **1EU012**
- Test tube rack 24 holes Ø16 | **1PT013**

Total Nitrogen LR and HR

- Heating reactor 24 places | **1RD010**
- Wooden clamp | **1PT007**
- Automatic Pipette 1 - 5 ml | **1PA023**
- Pipette Tip 1 - 5 ml – 500 units | **1EU013**
- Automatic pipette 0,1 - 1 ml | **1PA022**
- Pipette Tip 0,1 - 1 ml – 1000 units | **1EU012**
- Test tube rack 24 holes Ø16 | **1PT013**

Ammonium LR and Nitrite LR

- Automatic Pipette 1 - 5 ml | **1PA023**
- Pipette Tip 1 - 5 ml – 500 units | **1EU013**
- Test tube rack 24 holes Ø16 | **1PT013**

Ammonium HR, Nitrite HR and Nitrate

- Automatic pipette 0,1 - 1 ml | **1PA022**
- Pipette Tip 0,1 - 1 ml – 1000 units | **1EU012**
- Test tube rack 24 holes Ø16 | **1PT013**