PACKTEST

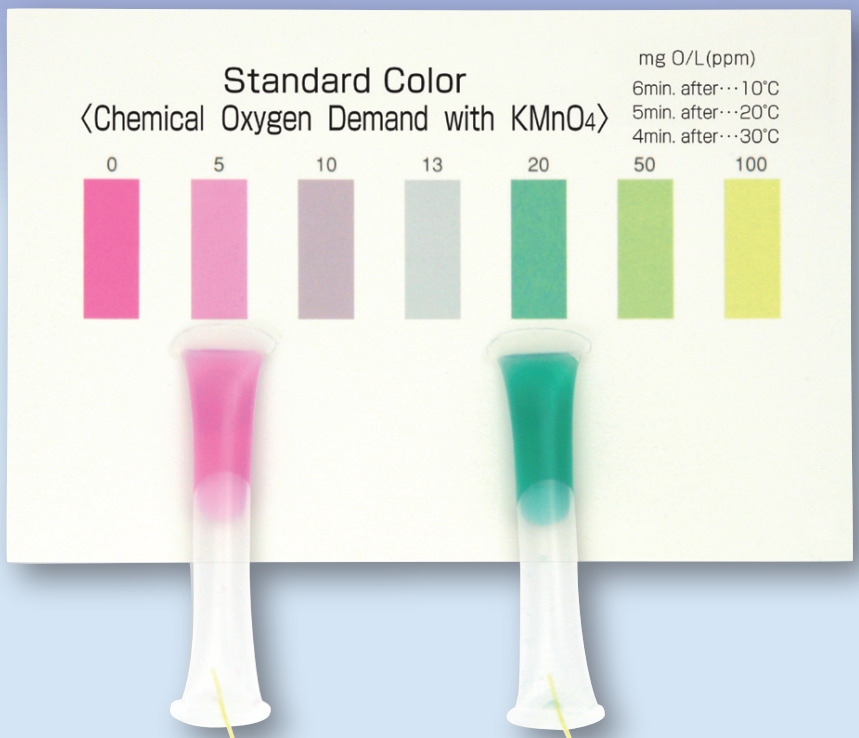
Simplified Water Quality Testing Kit

Rapid Almost all measurements can be carried out within 5 min.

Easy to Use No other instruments are necessary.

Small and Light About 1 gram per piece

Sturdy Made of soft polyethylene



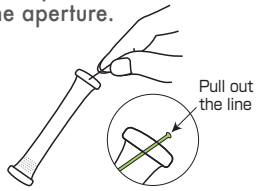
Actual Size

Reagent for each test is already packed in a small polyethylene tube.

"PACKTEST" is the most simplified water quality testing kit.
"PACKTEST" is available for 60 analytes.
Anyone can use it anywhere and anytime.

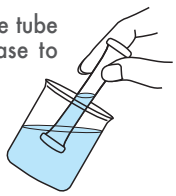
How to use

① Remove the colored line at the top of the tube to clear the aperture.

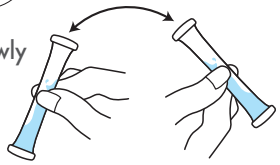


② Press tube's side wall to expel air, and hold the tube.

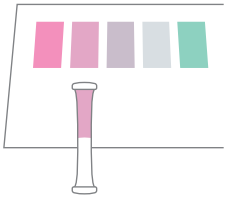
③ Immerse the aperture of the tube into the sample and release to fill the tube halfway.



④ Shake the tube slowly a few times.



⑤ Wait for the reaction time as indicated in the instruction manual, then compare the actual color in the tube with provided Standard Color sheet.
Nearest color indicates the concentration of the analyte in your sample.



KYORITSU CHEMICAL-CHECK Lab.,Corp.

Testing Items and Range

	Order Code No.	Model (WAK)	Testing Item	Range (mg/L)	Reaction Time	Quantity (pcs./box)	Applications
	600220	-Ag	Silver	0 0.5 1 2 5	3 min.	50	Process management Wastewater management
	600180	-Al	Aluminum	0 0.05 0.1 0.2 0.5 1	1 min.	40	Process management Research
	600330	-Au	Gold	0 2 5 10 20	30 sec.	40	Process management Wastewater management
	600690	-B(C) ● ●	Boron (High Range)	0 5 10 20 50 100	10 min.	40	Process management Wastewater management
	600350	-B ● ●	Boron	0 0.5 1 2 5 10	30 min.	50	Wastewater check Environmental research
	600360	-Ca	Calcium	0 2 5 10 20 50	2 min.	50	Drinking water check Environmental research
			Calcium Hardness	0 5 12.5 25 50 125			
	600470	-Cl(300)	Chloride (300)	200 about 250 300	10 sec.	40	Process management
	600490	-Cl(200)	Chloride (200)	100 about 150 200	10 sec.	40	Drinking water check Process management
	600440	-Cl(D)	Chloride (Low Range)	0 2 5 10 20 50	1 min.	40	Drinking water check Process management Environmental research
	600420	-ClO(C) ● ●	Residual Chlorine (High Range)	5 10 20 30 50 100 150 200 300 600 1000	10 sec.	50	Residual level check Process management
	600300	-ClO·DP ● ●	Residual Chlorine (Free)	0.1 0.2 0.4 1 2 5	10 sec.	50	Swimming-pool water check Drinking water check
	600480	-T·ClO ● ●	Total Residual Chlorine	0.1 0.2 0.4 1 2 5	2 min.	50	Tap water check Swiming pool water check
	600630	-ClO_2 ● ●	Chlorine Dioxide	0.2 0.4 0.6 1 2 5 10	10 sec	40	Tap water check Swimming pool water check
	600090	-CN ●	Free Cyanide	0.02 0.05 0.1 0.2 0.5 1 2	10 min.	40	Wastewater management Poison detection
★	600380	-COD(H)	Chemical Oxygen Demand (High Range)	0 30 60 120 200 250	5 min.	50	Wastewater management Environmental research
★	600100	-COD	Chemical Oxygen Demand	0 5 10 13 20 50 100	5 min.	50	Environmental research Wastewater management
★	600260	-COD(D)	Chemical Oxygen Demand (Low Range)	0 2 4 6 8	5 min.	50	Environmental research Drinking water check
	610000	-Cr^{6+} ● ●	Chromium Hexavalent	0.05 0.1 0.2 0.5 1 2	2 min.	50	Wastewater check Process management
	600620	-Cr·T	Total Chromium	0.5 1 2 5 10 20	5.5 min.	40	Wastewater check Process management
	640000	-Cu ● ●	Copper	0.5 1 2 3 5 10	1 min.	50	Process management Wastewater management
	600640	-Cu(DDTC)	Copper (DDTC)	0.5 1 3 5 10	2 min.	50	Process management Wastewater management
	600140	-F ●	Fluoride (Free)	0 0.4 0.8 1.5 3 8	10 min.	50	Process management Wastewater management
	600050	-Fe ●	Iron	0.2 0.5 1 2 5 10	2 min.	50	Drinking water management Process management
	600280	-Fe(D) ● ●	Iron (Low Range)	0.05 0.1 0.3 0.5 1 2	2 min.	50	Drinking water management Process management
	600040	-Fe^{2+} ●	Iron Divalent	0.2 0.5 1 2 5 10	30 sec.	50	Drinking water check Process management
	600270	-Fe^{2+}(D) ●	Iron Divalent (Low Range)	0.1 0.2 0.5 0.8 1.2 2.5	30 sec.	50	Drinking water management Process management
	600160	-FOR ●	Formaldehyde	0 0.1 0.2 0.3 0.5 1 2	4 min.	40	Process management Wastewater management
	600540	-H_2O_2(C) ● ●	Hydrogen Peroxide (High Range)	3 7 13 20 35 70 100 130 200 400 700	20 sec.	50	Process management
	600400	-H_2O_2 ● ●	Hydrogen Peroxide	0.05 0.1 0.2 0.5 1 2 5	1 min.	50	Residual level check Food check
	600170	-HYD	Hydrazine	0.05 0.1 0.2 0.5 1 2	10 min.	40	Boiler Feed Water Process Management
	600660	-Me	Metals (Cu,Zn,Mn,Ni,Cd)	0 0.2 0.5 1 2 5	1 min.	50	Wastewater management Environmental research
	600250	-Mg	Magnesium	0 1 2 5 10 20	1 min.	50	Drinking water check Agricultural management
			Magnesium Hardness	0 4.1 8.2 20.5 41 82			
	600110	-Mn ● ●	Manganese	0.5 1 2 5 10 20	30 sec.	50	Drinking water check Process management
	601110	-Mo	Molybdenum	5 10 20 50 100 200 500	1 min.	50	Boiler Feed Water Process management
	600390	-NH_4(C)	Ammonium (High Range)	0 0.5 1 2 5 10 20	10 min.	50	Wastewater management Environmental research
			Ammonium-Nitrogen (High Range)	0 0.4 0.8 1.6 4 8 16			

★ The principle of COD measuring method is the oxidation by Potassium Permanganate under alkalinity.

PACKTEST

Order Code No.	Model (WAK)	Testing Item	Range (mg/L)	Reaction Time	Quantity (pcs./box)	Applications
650000	-NH_4 ● ●	Ammonium	0.2 0.5 1 2 5 10	5 min.	50	Environmental research
	● ●	Ammonium-Nitrogen	0.2 0.5 1 2 5 10			
600060	-Ni	Nickel	0.5 1 2 5 10	2 min.	50	Wastewater check Process management
600670	-Ni(D) ● ●	Nickel (DPM)	0.3 0.5 1 2 5 10	2 min.	50	Wastewater check Process management
600450	-NO_2(C) ●	Nitrite (High Range)	16 33 66 160 330 660	5 min.	50	Wastewater management Process management Educational material
	●	Nitrite-Nitrogen (High Range)	5 10 20 50 100 200			
630000	-NO_2 ● ●	Nitrite	0.02 0.05 0.1 0.2 0.5 1	2 min.	50	Environmental research Fish farm management
	● ●	Nitrite-Nitrogen	0.005 0.01 0.02 0.05 0.1 0.2 0.5			
600460	-NO_3(C) ●	Nitrate (High Range)	90 225 450 900 2250 4500	5 min.	50	Wastewater management Process management Educational material
	●	Nitrate-Nitrogen (High Range)	20 50 100 200 500 1000			
600070	-NO_3 ● ●	Nitrate	1 2 5 10 20 45	3 min.	50	Drinking water check Supply water management
	● ●	Nitrate-Nitrogen	0.2 0.5 1 2 5 10			
600430	-O_3 ● ●	Ozone	0.1 0.2 0.5 1 2 5	1 min.	50	Residual level check Process management
600010	-pH	pH	pH 5.0 - 9.5 0.5span 10steps	20 sec.	50	Wastewater check River water check
600310	-TBL	pH (TBL)	pH 1.6 - 3.4 0.2span 10steps	20 sec.	50	Environmental research Wastewater check
600210	-BCG	pH (BCG)	pH 3.6 - 6.2 0.2span 14steps	20 sec.	50	Acid rain research Lake research
600020	-BTB	pH (BTB)	pH 5.8 - 8.0 0.2span 12steps	20 sec.	50	Drinking water check Fish farm management
600320	-TBH	pH (TBH)	pH 8.2 - 9.6 0.2span 7steps	20 sec.	50	Environmental research Wastewater check
600650	-Pd	Palladium	1 2 5 10 20 30 50	1 min.	50	Process management
600080	-PNL ● ●	Phenol	0 0.2 0.5 1 2 5 10	8 min.	40	Wastewater check Process management
600570	-PO_4(C) ● ●	Phosphate (High Range)	2 5 10 20 50 100	1 min.	40	Process management, Fish farm management
	● ●	Phosphate-Phosphorus (High Range)	0.66 1.65 3.3 6.6 16.5 33			
600120	-PO_4 ● ●	Phosphate	0.2 0.5 1 2 5 10	1 min.	40	Environmental research Wastewater check
	● ●	Phosphate-Phosphorus	0.1 0.2 0.5 1 2 5			
600410	-PO_4(D) ● ●	Phosphate (Low Range)	0.05 0.1 0.2 0.5 1 2	5 min.	40	Environmental research Lake water check
	● ●	Phosphate-Phosphorus (Low Range)	0.02 0.05 0.1 0.2 0.5 1			
600370	-S ●	Sulfide (Hydrogen Sulfide)	0.1 0.2 0.5 1 2 5	3 min.	40	Environmental research Hot spring water check
600150	-SiO_2 ● ●	Silica	5 10 20 50 100 200	6.5 min.	40	Process management
600230	-SiO_2(D) ● ●	Silica (Low Range)	0.5 1 2 5 10 20	6.5 min.	40	Boiler management Process management
600560	-SO_3(C)	Sulfite (High Range)	50 100 200 500 1000 2000	10 sec.	50	Boiler management Process management
600240	-TH ● ●	Total Hardness	0 10 20 50 100 200	30 sec.	50	Drinking water check Supply water management
600500	-TN·i	Total Nitrogen (Inorganic)	0 5 10 25 50 100	20 min.	40	Wastewater check
600680	-VC	Vitamin C	0.1 0.2 0.5 1 2 5 10 mg/100mL	3 min.	50	Process management Food check
		(L-Ascorbic Acid)	1 2 5 10 20 50 100			
620000	-Zn	Zinc	0 0.2 0.5 1 2 5	1 min.	50	Wastewater check Process management

●・・・"DIGITAL PACKTEST" can measure. ●・・・"DIGITAL PACKTEST・MULTI" can measure.

Reagent for Pretreatment

Order Code No.	Model	Testing Item	Purpose	Quantity
68002	NO_3-RA	Pretreatment for NO_3 measurement	Removing of NO_2^-	50 times

1.APR.2011 MADE IN JAPAN

DIGITAL WATER ANALYZER FOR SINGLE ITEM

DIGITAL PACKTEST

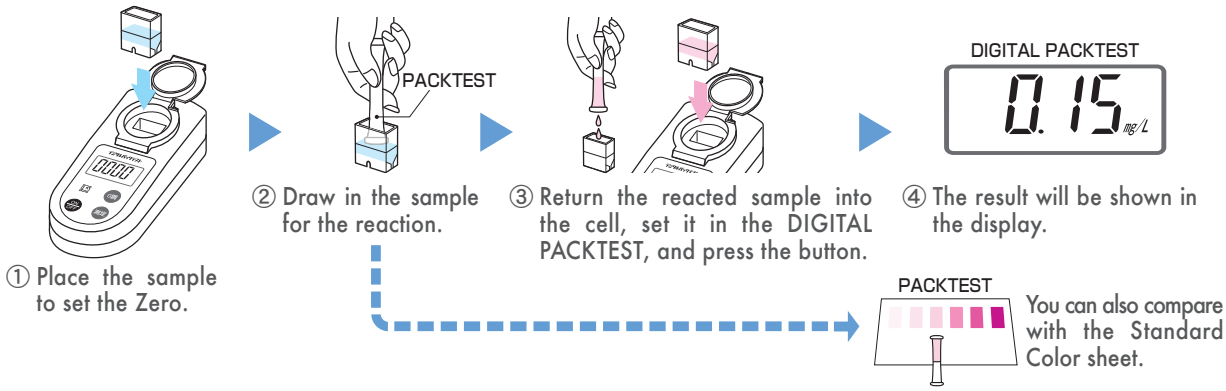
"DIGITAL PACKTEST" is a handy photometer utilizing LED as a light source. The display shows the result as "mg/L".

- Small-size, just "Palm-top"
- Easy operation
- Cost-effective
- Enhance accuracy

Specifications	
Measuring Method	absorptiometry
Light Source	LED
Cell	path length:20mm, cell volume:1.5mL, material:polystyrene
Power Source	alkaline dry battery (U.4) x 3 pcs.
Battery Life Time	2500 tests
Size & Weight	68 (W), 145 (L), 48 (H) mm , 200g (including batteries)

"PACKTEST" can be used as analytical reagents.

MEASURING OPERATION (when using PACKTEST as a reagent)



① Place the sample to set the Zero.

② Draw in the sample for the reaction.

③ Return the reacted sample into the cell, set it in the DIGITAL PACKTEST, and press the button.

④ The result will be shown in the display.

You can also compare with the Standard Color sheet.

Testing Items and Range

DIGITAL PACKTEST

Model	Testing Item	Range (mg/L)	Reaction Time	Reagent model
DPM-As ◆△	Arsenic	0.2～3	(30 min.)	DPR-As
-B(C)	Boron (High Range)	5～40	12 min.	WAK-B(C)
-B	Boron	0.5～4	40 min.	WAK-B
-ClO320	Residual Chlorine (High Range 320)	10～320	1 min.	WAK-ClO(C)
-ClO50	Residual Chlorine (High Range 50)	2～50	1 min.	WAK-ClO(C)
-ClO·DP	Residual Chlorine(Free)	0.1～2	1 min.	WAK-ClO·DP
-T·ClO	Total Residual Chlorine	0.1～2	2 min.	WAK-T·ClO
-ClO_2	Chlorine Dioxide	0.2～5	1 min.	WAK-ClO_2
-Cr^{6+}	Chromium Hexavalent	0.05～1	2 min.	WAK-Cr^{6+}
-Cr^{6+}D ◆	Chromium Hexavalent (Low Range)	0.005～0.1	(60 min.)	LR-Cr^{6+}
-Cu	Copper	0.1～4	1 min.	WAK-Cu
-DET ◆	Anionic Surfactants	0.05～1.2	3 min.	WA-DET
-DO ◆	Dissolved Oxygen	1～11	2 min.	AZ-DO-10/30
-Fe(D)	Iron (Low Range)	0.05～1.5	3 min.	WAK-Fe(D)
-H_2O_2C	Hydrogen Peroxide (High Range)	3～130	1 min.	WAK-H_2O_2(C)
-H_2O_2	Hydrogen Peroxide	0.1～2	2 min.	WAK-H_2O_2
-Mn	Manganese	0.6～20	3 min.	WAK-Mn
-NH_4	Ammonium	0.2～3	10 min.	WAK-NH_4
-NH_4-N	Ammonium-Nitrogen	0.2～3	10 min.	WAK-NH_4
-NiD ※	Nickel (DPM)	0.3～5	5 min.	WAK-Ni(D)
-NO_2	Nitrite	0.02～0.8	3 min.	WAK-NO_2
-NO_2-N	Nitrite-Nitrogen	0.01～0.25	3 min.	WAK-NO_2
-NO_3	Nitrate	1～25	5 min.	WAK-NO_3
-NO_3-N	Nitrate-Nitrogen	0.2～5.8	5 min.	WAK-NO_3
-O_3	Ozone	0.25～5	2 min.	WAK-O_3
-Pb	Lead (SPK)	0.03～0.5	(12 min.)	SPK-Pb
-PNL	Phenol	0.2～5	8 min.	WAK-PNL
-PO_4C	Phosphate (High Range)	1～25	3 min.	WAK-PO_4(C)
-PO_4-PC	Phosphate-Phosphorus (High Range)	0.3～8	3 min.	WAK-PO_4(C)
-PO_4	Phosphate	0.1～3.2	3 min.	WAK-PO_4
-PO_4-P	Phosphate-Phosphorus	0.03～1	3 min.	WAK-PO_4
-PO_4D	Phosphate (Low Range)	0.1～3	5 min.	WAK-PO_4(D)
-PO_4-PD	Phosphate-Phosphorus (Low Range)	0.03～1	5 min.	WAK-PO_4(D)
-SiO_2	Silica	3～50	8.5 min.	WAK-SiO_2
-SiO_2D	Silica (Low Range)	0.3～5	8.5 min.	WAK-SiO_2(D)
-SO_4 ◆	Sulfate	5～100	3 min.	DPR-SO_4
-TH	Total Hardness	20～100	2 min.	WAK-TH
-TN ★◆	Total Nitrogen	0.5～7	(30 min.)	DPR-TN
-TP ★◆	Total Phosphorus	0.1～2	(30 min.)	DPR-TP

◆ Reagent is not PACKTEST. ※ Use WAK-Ni (D) for Reagent. ★ Need UV Reactor for pre-treatment.
△ If Phosphorate ion coexisting for 1mg/L or more, Arsenic ion cannot be measured.
The number inside 〔 〕 are the estimated reaction time including the pre-treatment procedure.
Specifications subject to change without notice.

Volume of the sample:

Model	Product name	Volume of the sample
WAK-	PACKTEST	1.5mL
SPK-Pb	Lead Test Kit	10mL
LR-	Reagent Set for Water Analyzer	25mL

Required Reagents for measurement besides PACKTEST.

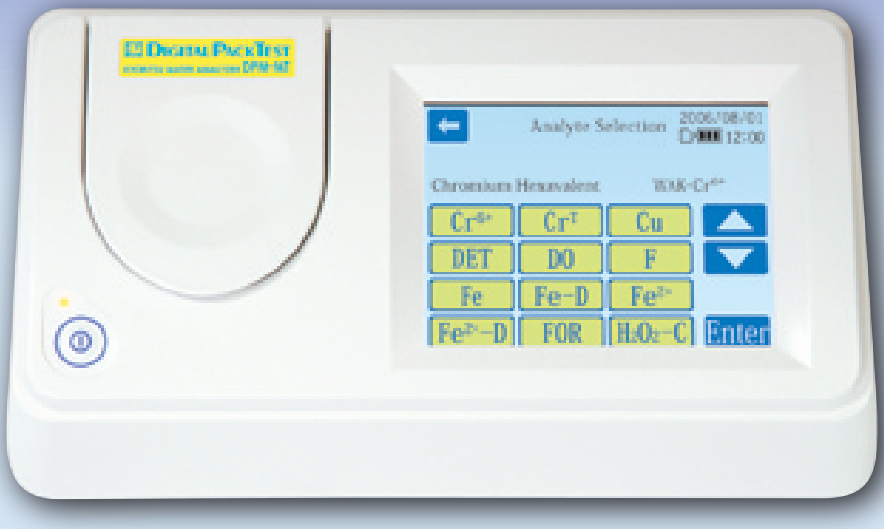
Model	Product name	Quantity	Note / Necessary instruments
DPR-As	DPR Reagent for Arsenic	20 times	For Digital PACKTEST measurement
LR-Cr^{6+}	Reagent Set for Chromium Hexavalent	50 times	Need additional instruments to measure the lower concentration. Please contact for more detail.
WA-DET	Anionic Surfactants Set	50 times	
AZ-DO-	Dissolved Oxygen Test Kit	10/30 times	
DPR-SO_4	DPR Reagent for Sulfate	100 times	For Digital PACKTEST measurement
DPR-TN	DPR Reagent for Total Nitrogen	50 times	Need UV Reactor, Degital PACKTEST and other instruments for measurement.
DPR-TP	DPR Reagent for Total Phosphorus	40 times	Need UV Reactor, Degital PACKTEST and other instruments for measurement.

1.APR.2011 MADE IN JAPAN

DIGITAL WATER ANALYZER FOR MULTI ITEMS

DIGITAL PACKTEST·MULTI

"DIGITAL PACKTEST·MULTI" can analyze more than 60 analytes. The analytical result will be obtained digitally on-site, and can be stored in the SD card.



Specifications

Measuring Method	absorptiometry	Key Operation	touch panel
Light Source	LED	Data Output	printer (option), memory card
Cell	path length:20mm, cell volume:1.5mL, material:polystyrene	Power Source	100~200V AC adapter or alkaline dry battery (U.3) x 6 pcs.
Display	4.7 inch (320 x 240 dot), liquid crystal	Size & Weight	240 (W), 134 (D), 74 (H) mm , 1kg (including batteries)

"PACKTEST" can be used as analytical reagents.

MEASURING OPERATION (when using PACKTEST as a reagent)

① Select an analyte on the touch panel. Press <Enter> to proceed to the next step.

② Place the sample to set the Zero. Press <Blank>.

③ Draw the sample into the PACKTEST for the reaction, and press <Start> on the touch panel.

PACKTEST

④ Return the reacted sample into the cell, and set it in the cell box.

You can also compare with the Standard Color sheet.

⑤ After the reaction time has been completed, the value will be shown in the display. The measurement value will be printed out when the printer is ON.

Testing Items and Range DIGITAL PACK TEST·MULTI

Testing Item		Range (mg/L)	Reaction Time	Reagent	Reagent NO.	Note / Necessary instruments
Al	Aluminum	0.050 ~ 0.400	5 min.	LR-Al	24	
B-C	Boron (High Range)	5.0 ~ 40.0	12 min.	WAK-B(C)	–	
B	Boron	0.50 ~ 4.00	40 min.	WAK-B	–	
Ca	Calcium	0.5 ~ 15.0	2 min.	LR-Ca-B	48	
Cl	Chloride	2.0 ~ 40.0	3 min.	LR-Cl	10	
ClO-C	Residual Chlorine (High Range)	2 ~ 320	1 min.	WAK-ClO(C)	–	
ClO-DPD	Residual Chlorine(Free)	0.10 ~ 3.00	1 min.	WAK-ClO·DP	–	
T-ClO	Total Residual Chlorine	0.10 ~ 3.00	2 min.	WAK-T·ClO	–	
ClO_2	Chlorine Dioxide	0.20 ~ 6.00	1 min.	WAK-ClO_2	–	
CN	Free Cyanide	0.020 ~ 0.400	10 min.	WAK-CN	–	
CN^T	Total Cyanide	0.10 ~ 3.00	(18 min.)	LR-CN^T	46	Need Total Cyanide Testing Set
CN^T-D	Total Cyanide (Low Range)	0.005 ~ 0.150	(40 min.)	LR-CN-B	14B	Need Total Cyanide (Low Range) Testing Set
COD	Chemical Oxygen Demand	2.0 ~ 10.0	10 min.	LR-COD-B	44	Oxidation by Potassium Permanganate under alkalinity
Color	Color	100 ~ 1000deg.	–	–	–	
Cr^{6+}	Chromium Hexavalent	0.050 ~ 1.400	2 min.	WAK-Cr^{6+}	–	
Cr^T	Total Chromium	0.050 ~ 1.400	(12 min.)	Cr-RA+WAK-Cr^{6+}	–	Need heating instrument
Cu	Copper	0.10 ~ 5.00	1 min.	WAK-Cu	–	
DET	Anionic Surfactants	0.05 ~ 1.20	3 min.	WA-DET	–	
DO	Dissolved Oxygen	2.0 ~ 11.0	2 min.	AZ-DO-10/30	–	Need Special Adaptor
F	Fluoride (Free)	0.40 ~ 1.50	15 min.	WAK-F	–	
Fe	Iron	0.20 ~ 5.00	3 min.	WAK-Fe	–	
Fe-D	Iron (Low Range)	0.05 ~ 2.00	3 min.	WAK-Fe(D)	–	
Fe^{2+}	Iron Divalent	0.20 ~ 5.00	3 min.	WAK-Fe^{2+}	–	
Fe^{2+}-D	Iron Divalent (Low Range)	0.05 ~ 2.00	3 min.	WAK-Fe^{2+}(D)	–	
FOR	Formaldehyde	0.20 ~ 1.00	5 min.	WAK-FOR	–	
H_2O_2-C	Hydrogen Peroxide (High Range)	3 ~ 200	1 min.	WAK-H_2O_2(C)	–	
H_2O_2	Hydrogen Peroxide	0.10 ~ 2.50	2 min.	WAK-H_2O_2	–	
K	Potassium	2.00 ~ 8.00	5 min.	LR-K	36	
$KMnO_4$	Potasium Permanganate Consumption	2.0 ~ 10.0	10 min.	LR-COD-B	44	Use the same Reagent as COD
Mn	Manganese	0.6 ~ 20.0	3 min.	WAK-Mn	–	
NH_4	Ammonium	0.20 ~ 5.00	10 min.	WAK-NH_4	–	
NH_4-N	Ammonium-Nitrogen	0.20 ~ 4.00	10 min.	WAK- NH_4	–	
NH_4-D	Ammonium (Low Range)	0.05 ~ 2.00	(30 min.)	LR- NH_4-A	17A	Need Ammonium (Low Range) Testing Set
NH_4-N-D	Ammonium-Nitrogen (Low Range)	0.05 ~ 1.50	(30 min.)	LR- NH_4-A	17A	Need Ammonium (Low Range) Testing Set
Ni	Nickel	1.00 ~ 8.00	5 min.	LR-Ni	27	
Ni-D	Nickel (DPM)	0.30 ~ 5.00	5 min.	WAK-Ni(D)	–	Use WAK-Ni (D) for Reagent
NO_2-C	Nitrite (High Range)	5 ~ 100	5 min.	WAK-NO_2(C)	–	
NO_2-N-C	Nitrite-Nitrogen (High Range)	2.0 ~ 30.0	5 min.	WAK-NO_2(C)	–	
NO_2	Nitrite	0.020 ~ 1.000	3 min.	WAK-NO_2	–	
NO_2-N	Nitrite-Nitrogen	0.010 ~ 0.300	3 min.	WAK-NO_2	–	
NO_3-C_1	Nitrate (High Range) (NO_2 ≤ 1 mg/L)	200 ~ 2000	5 min.	WAK-NO_3(C)	–	
NO_3-C_2	Nitrate (High Range) (NO_2 1 - 10 mg/L)	200 ~ 2000	(10 min.)	NO_3-RA+WAK-NO_3(C)	–	Need heating instrument
NO_3-N-C_1	Nitrate-Nitrogen (High Range) (NO_2-N ≤ 0.3 mg/L)	45 ~ 450	5 min.	WAK-NO_3(C)	–	
NO_3-N-C_2	Nitrate-Nitrogen (High Range) (NO_2-N 0.3 - 3 mg/L)	45 ~ 450	(10 min.)	NO_3-RA+WAK-NO_3(C)	–	Need heating instrument
NO_3_1	Nitrate (NO_2 = 0 mg/L)	1.0 ~ 25.0	5 min.	WAK-NO_3	–	
NO_3_2	Nitrate (NO_2 ≤ 0.2 mg/L)	1.0 ~ 25.0	(8 min.)	WAK-NO_2+WAK-NO_3	–	
NO_3_3	Nitrate (NO_2 0.2 - 5 mg/L)	1.0 ~ 25.0	(10 min.)	NO_3-RA+WAK-NO_3	–	Need heating instrument
NO_3-N_1	Nitrate-Nitrogen (NO_2-N = 0 mg/L)	0.20 ~ 5.80	5 min.	WAK-NO_3	–	
NO_3-N_2	Nitrate-Nitrogen (NO_2-N ≤ 0.06 mg/L)	0.20 ~ 5.80	(8 min.)	WAK-NO_2+WAK-NO_3	–	
NO_3-N_3	Nitrate-Nitrogen (NO_2-N 0.06 - 1.5 mg/L)	0.20 ~ 5.80	(10 min.)	NO_3-RA+WAK-NO_3	–	Need heating instrument
O_3	Ozone	0.25 ~ 6.00	2 min.	WAK-O_3	–	
Pb-SPK	Lead (SPK)	0.03 ~ 0.50	(12 min.)	SPK-Pb	–	
Phenol	Phenol	0.20 ~ 5.00	8 min.	WAK-PNL	–	
PO_4-C	Phosphate (High Range)	2.0 ~ 30.0	3 min.	WAK-PO_4(C)	–	
PO_4-P-C	Phosphate-Phosphorus (High Range)	0.70 ~ 10.00	3 min.	WAK-PO_4(C)	–	
PO_4	Phosphate	0.10 ~ 5.00	3 min.	WAK-PO_4	–	
PO_4-P	Phosphate-Phosphorus	0.030 ~ 1.500	3 min.	WAK-PO_4	–	
PO_4-D	Phosphate (Low Range)	0.10 ~ 3.00	5 min.	WAK-PO_4(D)	–	
PO_4-P-D	Phosphate-Phosphorus (Low Range)	0.030 ~ 1.000	5 min.	WAK-PO_4(D)	–	
S	Sulfide (Hydrogen sulfide)	0.050 ~ 0.800	3 min.	WAK-S	–	
SiO_2	Silica	3.0 ~ 60.0	8.5 min.	WAK-SiO_2	–	
SiO_2-D	Silica (Low Range)	0.30 ~ 7.00	8.5 min.	WAK-SiO_2(D)	–	
SO_4	Sulfate	10 ~ 100	3 min.	DPR-SO_4	–	
TH	Total Hardness	20 ~ 100	2 min.	WAK-TH	–	
TN	Total Nitrogen	0.5 ~ 7.0	(30 min.)	DPR-TN	–	Need UV-Reactor
TP	Total Phosphorus	0.10 ~ 2.00	(30 min.)	DPR-TP	–	Need UV-Reactor
Turbid	Turbidity	10.0~100.0deg.	–	–	–	
Zn	Zinc (Other metals do not coexist)	0.10 ~ 2.00	5 min.	LR-Zn	26	
Zn-KCN	Zinc (use of KCN) (Other metals coexist)	0.15 ~ 2.00	6 min.	LR-ZnB	26B	Need KCN if the sample contains other metals
ABS	Absorbance	-3.000~3.000Abs	–	–	–	

You Can Use PACKTEST to Check Water Quality Simply and Quickly.

What can PACKTEST be used for ?

～ Example of Places, Purposes, and Testing Parameters ～

Lake, River

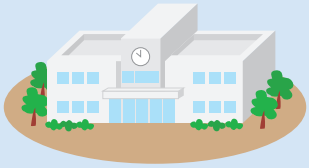
Environmental Research

BO_3^{3-}, Ca^{2+}, Cl^-, COD, NH_4^+, NO_2^-, NO_3^-, pH, PO_4^{3-}...etc,

School

Education

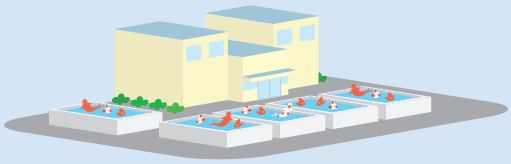
COD, Cu(Ⅱ), F^-, Fe(Ⅱ+Ⅲ), NH_4^+, NO_2^-, NO_3^-, pH, PO_4^{3-}, Vitamine C...etc,



Fish Farm

Water Quality Management

COD, NH_4^+, NO_2^-, NO_3^-, pH...etc,



Home

Inspection of Drinking Water

Cl^-, Residual Chlorine, COD, Fe(Ⅱ+Ⅲ), Mn(Ⅱ), NH_4^+, NO_3^-, Total Hardness...etc,

Factory

Process Management

Al^{3+}, BO_3^{3-}, Cl^-, Residual Chlorine, CN^-, Cr(Ⅵ), Total Chromium, Formaldehyde, H_2O_2, Hydrazine, Mn(Ⅱ), Mo(Ⅵ), Ni(Ⅱ), PO_4^{3-}, SiO_2, SO_3^{2-}, Vitamine C, Zn^{2+}...etc,

Wastewater Management

BO_3^{3-}, COD, CN^-, Cr(Ⅵ), Total Chromium, Cu(Ⅱ), F^-, Formaldehyde, NH_4^+, Ni(Ⅱ), NO_2^-, NO_3^-, pH, Phenol, PO_4^{3-}, Total Inorganic Nitrogen, Zn^{2+}...etc,

Caution

- This product is intended for use of checking the approximate value at the field site, and not for measuring the absolute value.
- This product is not necessarily suitable for all kinds of water. Depending on the condition, you may need to check the correlation with Official Method, or simply use it for only as a guilde.

KYORITSU
CHEMICAL-CHECK Lab.,Corp.

37-11, DEN-ENCHOFU 5 CHOME, OHTA-KU,
TOKYO 145-0071 JAPAN FAX:+81-3-3721-0666
http://kyoritsu-lab.co.jp/eng/ E-mail:eng@kyoritsu-lab.co.jp

4011−1×4