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Bayer



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A Brief Description

What does this instrument do?

Your CLINITEK[®] 50 Urine Chemistry Analyser is a portable instrument for reading Bayer Reagent Strips for Urinalysis. No special training is needed to use the instrument. Several different Bayer Reagent Strip products (e.g., MULTISTIX[®] 10 SG) can be used with the Analyser; refer to the bottle label for the tests that are included with each product. The Analyser can also report the colour of the urine sample. The CLINITEK[®] line of tests from Bayer can also be read.

The Analyser can be plugged into an electrical outlet for use on the benchtop, or it can be powered by batteries and freely moved from one testing site to another. The battery pack, which is purchased separately, fits into an opening on the bottom side of the instrument.

Do I have to calibrate?

You do not have to do anything extra to calibrate. The instrument performs a "self-test" and calibration each time it is turned *on*. Then, each time a test is run, the instrument calibrates again, using the white plastic bar located on the end of the test strip table.

How does it work?

Testing starts when either of the two Start keys (labeled " Φ ") is pressed. You have 10 seconds

after the \oplus key is pressed to blot the edge of the wet reagent test strip (if required for the test) and place it on the test strip table. The table is then pulled into the instrument, where the test strip is read. The instrument measures the colour and amount of light that is reflected from the test pads on the strip. It then converts these measurements into meaningful results.

How do I get results?

Results can be either printed or displayed. The results can also be transferred to a computer using a special cable that is plugged into the computer port on the back of the instrument.

What about this User's Guide?

The User's Guide contains the directions you need to unpack the instrument, use it for your daily urine testing, and keep it in good working condition. The User's Guide is provided in several languages; please recycle the Guides you will not be using.

As you read through the User's Guide, you will find these symbols:

NOTES contain useful tips on using your instrument. *They appear in italicized type.*

CAUTIONS should be followed carefully to ensure your instrument operates correctly and is not damaged. **Cautions appear in bold type like this.**

Unpacking and Setup

Unpacking

1 Carefully remove the contents of the shipping carton. Check the carton and instrument for visible signs of damage; if seen, immediately contact the carrier.

2 Remove each of the wrappings and check for the following items:



CLINITEK 50[®] Analyser Test strip table

(Do not touch the white bar!)

If you will be using a Reagent Strip that has four or fewer test pads, you must use a short test strip table, which must be ordered separately (see page 26). (The CLINITEK[®] line of tests are all run using the long table.)

OPrinter cover

Over transformer

5 Power cord

If the power cord is not the style you need, contact your local Bayer office (see page 24).



Depending on the model you have received, there may also be a Warranty Registration Card, Customer Information Card, Unpacking/Setup Guide, and/or Quick Reference Guide included.



Place the instrument on a level work surface where the temperature and humidity are fairly constant. The best temperature for using the instrument is between 22°C and 26°C (72°F to 79°F). Do not place the instrument near such things as an outside window, oven, hot plate, or radiator.

CLINITEK BO

2



- Display
- Optimized (START) Keys Either green key can be pressed to start a test.
- Option Keys Each dark grey key corresponds

to one of four words that may be shown on the bottom line of the display; press the key beneath the word to select that choice.

If you will be using the optional battery pack instead of the power cord and transformer, skip Step 5.

5 Plug the power cord into the transformer, then plug the transformer cord into the instrument. Plug the power cord into an appropriately grounded AC electrical wall outlet.





6 Insert the test strip table into the instrument, holding it by the end opposite the white bar and with the flat side facing up. **Do not touch the white bar.** Push the table in about halfway.



7 If you will be sending results to a computer, you must obtain a special Computer Cable/ Connector Kit (see page 25 to order). The kit includes all the information you need to connect and use the cable.

Installing the Battery Pack

1 If you will be using the optional battery pack, place six AA-size batteries into the battery compartment.

2 Turn the instrument over and snap the battery pack into the opening.





3 Plug the cord into the power inlet.



Loading the Paper Roll

Insert the two tabs on the printer cover into the two openings on the instrument. Rest the cover on its back edge.

If changing the paper, leave the cover down and pull out the remaining paper. Then raise the cover and remove the empty core to continue.

2 Trim the end of the paper so it has a large "V" shape at least 5 cm (2 inches) long. With the paper unrolling from underneath, insert the paper under the printer roller until the tip comes through the other side of the roller.





Pulling toward the back, gently pull the end of the paper until the full width of the paper is completely exposed.

Do not pull the paper straight up or toward the front, as this will damage the printer.





4 Feed the paper through the printer cover opening and snap the cover into position.

The cover **must** be latched in order for the instrument to function. To prevent damage to the printer, do not tear the paper without the cover in place.

Powering Up

Press the power switch on the back of the instrument to the "—" (ON) position.



2 If you want to use the language and units shown on the screen, press the key under the word **YES**. If you want another language and/or units, press the key under the word **NO**.

Refer to pages 28 to 30 for the test abbreviations and results that are used with each of the three options for English. For tests not shown in these tables, refer to the insert included with the product.





Press the key under the word NORMAL if you want the results to appear in clinical units. Press the key under +/- if you prefer plus and minus signs.

The screens shown in Steps 2 and 3 appear the first three times the instrument is turned on or three times after a change is made to either screen.

4 The instrument briefly displays two screens while it does an internal check. When the check is complete, the READY screen appears. Look for the names of the products that can be used – they are shown after the words "READY FOR TEST."



Do not use any Reagent Strip product other than what is shown on the display. Using the wrong Reagent Strip will give you incorrect results.

CLINITEK® Tests are automatically identified by the instrument; if your software cannot identify a test, the test is rejected and the display will show "STRIP PROBLEM – RETEST."

Final Paper Work

Find the bar-coded serial number label on the bottom of the instrument. Write this number and today's date on the Problem Checklist on page 23.

Fill out and mail the Warranty Registration Card and Customer Information Card if these are included with your instrument.



Selecting Your Options

Location of Results and Number of Copies

1 If you want more than one printed copy or if you prefer results to be displayed on the screen, press the key under the word **OUTPUT.**

2 Press the key under your choice.

3 If you pressed **PRINTER**, you can choose to have more than one copy of the results. Press the key under your choice. One copy of each set of results will be printed if you do not change this option.





Listing the Tests

1 Press the key under the word LIST.

2 If you selected PRINTER as your output, the list is printed. If DISPLAY was selected, press the

↓ key to display each test name, then press **EXIT.**

You can print or display a list of the Bayer Reagent Strips and CLINITEK® Tests that can be read by your instrument through this option. If the CLINITEK Test you want to use is not listed, you must update the software in your Analyser before using the product. See page 25 to order the Software Update Kit.

Setting the Time

1 Press the key under the word **SET.**

Press the key under TIME and select the 12 hour (AM/PM) format or the 24 hour (military) format.

3 Press the 1 key to adjust the hour.

If you press and hold the 1 key, the numbers will advance more quickly.

4 Press the → key, then press
↑ to adjust the minutes.

5 Press EXIT.

Setting the Date

1 Press the key under the word **SET.**

2 Press the key under **DATE** and select a date format:

MDY	Month-Day-Year
DMY	Day-Month-Year
YMD	Year-Month-Day

Press the 1 key to adjust the first number.

4 Press the → key, then press
 ↑ to adjust the second number.

5 Press the → key, then press
1 to adjust the third number.

6 Press EXIT.

Reporting the Urine Colour

1 Press the key under the word **SET.**

2 Press **MORE**, then press **COLOR**. Press the **YES** or **NO** key to make your selection.



Colour will be reported automatically when using Bayer Reagent Strips that include the leucocyte test pad if this option is set to **YES.** If there is no leucocyte pad, lines for manual entry of the colour and clarity are printed.

Colour results reported by the instrument may be different from the colour seen visually. This is because of the inherent differences between the human eye and the optical system of the instrument.

Setting the Sequence Number

If you want to have the sequence number appear, press the key under the word SET.

2 Press MORE, then press SEQ#.

3 Press **YES** to use sequence numbers (or press **NO** if you don't want them displayed).

The sequence number will not be displayed or printed unless you change this option.

If you are already using sequence numbers and the number is greater than 001, you will first be given the option of setting it to 001.

4 Press EXIT as needed.

Clearing the Memory and Marking Positives

1 If you want to clear the instrument's memory of all test results, or to turn off the asterisk, press the key under the word **SET.**

You can connect the instrument to a computer to transfer results. Fifty sets of results are stored (for transfer only) if the memory is not cleared.

2 Press MORE, then press CMPTR.

Press YES to clear the memory and reset the sequence number to 001.

4 Then select whether positives will be marked with an asterisk (*).

Check whether your software program can accept the asterisk that marks positive results. Press **NO** if it cannot.

5 Press EXIT as needed.

Testing Controls

Positive and negative control solutions should be tested on a regular basis. This provides a check to ensure that the test strips are reacting properly and the instrument is reading the strips properly. Testing controls also helps detect errors caused by incorrect user technique.

CHEK-STIX[®] Positive and Negative Control Strips are available for use in your quality control program for routine urine testing (see page 25 for product numbers). Prepare the control solutions as instructed in the package insert that comes with the control product. Then test the control solution using the same procedure as you use when testing patient urines.

Record the control results. If any results are not within the expected range, notify the lab supervisor or physician. Refer to the bottle label and/or package insert for storage information and expiration date. You should test controls:

▲ at the start of the day;

▲ when you open a new bottle of test strips;

 whenever test results are in doubt;

when training instrument operators.

If the test you are running is not included in the CHEK-STIX insert, you will need to purchase a different control product that includes values for that test. For information about control manufacturers, contact your local Bayer office (see page 24).

Expected values are found in the package insert that comes with the control product. Testing Specimens



Testing Routine Urines

Before beginning the day's testing, check the test strip table to make sure it is clean. If it looks dirty, remove the table and clean it, as described on page 17.

The urine specimen should be fresh, well-mixed, and uncentrifuged. If the urine depth is less than about 7.6 cm (3 inches), pour the specimen into a narrow tube, such as a URIN-TEK[®] Specimen Tube.

Dip a Bayer Reagent Strip into the urine. Be sure *all* the test pads are wet.

Refer to the direction insert included with your Reagent Strips for complete information on using the strips. Testing can be started only from the READY FOR TEST screen. Be sure the Reagent Strip name agrees with the strip being used.

Replace the cap as soon as you remove each strip from the bottle.



2 Immediately remove the Reagent Strip from the urine, dragging the edge of the strip against the side of the container as you remove the strip. At the same time, press either green ♦ (START) key. You now have 10 seconds to complete Steps 3 and 4.



3 Blot the strip to remove excess urine by *touching the edge* to a paper towel. Do not drag the strip across the towel; touch the edge only.



4 Place the Reagent Strip, **with the test pads facing up,** into the middle trough of the test strip table. Slide the strip along the table until it touches the **end** of the trough.

You must place the test strip while the message PLACE TEST ON TABLE is on the screen. It will appear for 10 seconds.



5 The table is automatically pulled into the instrument for reading. Results are available in one minute. Be sure not to move or bump the table.





6 Remove the used Reagent Strip and discard it in the proper container, according to your standard laboratory procedures.

Wipe the test strip table with a damp, lint-free tissue. Do this as often as needed to prevent urine from building up. Also, wipe the table after testing a urine that is visibly bloody or that gives a very high result on any test pad.

Testing with CLINITEK[®] Tests

Refer to the insert included with the CLINITEK[®] product you are using for directions on using the test with the CLINITEK[®] 50 Analyser.

Getting Results

If results are printed:

The test results are automatically printed. Press the **PRINT** key to reprint the last set of test results. Press **PAPER**, if desired, to add blank lines after the results.

If results are displayed:

To view results, press the 1 key repeatedly. When all results have been displayed and recorded, press **EXIT.** To display the results again, press **DISPL.**

Summary of Steps:

1 Dip a new Reagent Strip into the urine sample.

3 Blot by touching the edge of the strip to a paper towel.

4 Place it on the test strip table within 10 seconds.

5 Discard the strip when the test is finished.

Thermal print will fade with time. Also, do not cover thermally printed results with transparent tape.

When You Are Finished Testing

1 Clean the test strip table and check the white bar at the end of each day or after testing 50 strips, whichever is more often. Follow the directions for "Daily Cleaning," given on page 17. You will be prompted to clean the table after every 50 strips. Press **CONT** to return to the READY FOR TEST screen.

2 Be sure the test table is empty. Then gently push the table about halfway into the instrument.

3 The instrument can be left on when it is not being used. However, if you are using the battery pack, turn the instrument off to save battery power. If the battery pack is installed, a unique tone will sound after 15 minutes of nonuse to remind you to turn the instrument off. It will repeat in 5 minutes, then again every minute.

Operating Notes

▲ The instrument does not detect when the internal printer is out of paper. However, a pink edge will appear on the last several feet of paper. Change the roll shortly after you see this. ▲ If you never erase the memory or reset the sequence number, the number will continue to increase until 999 is reached. The next number will then be 001.

Cleaning the Instrument

Daily Cleaning

The test strip table must be kept clean if the instrument is to provide accurate test results and operate correctly. Clean the table and check the white bar at the end of every day.

 Remove the test strip table by pulling it straight out of the instrument.

2 Wet a cotton-tipped stick with distilled water. Thoroughly scrub the trough and surrounding areas. **Do not touch the white bar.** Rinse the entire table (both top and bottom) with distilled water. Discard the stick according to your standard laboratory procedures.

3 Dry the table thoroughly (except for the white bar) with a soft cloth or lint-free tissue.

4 Check the white bar for dust, marks, or scratches. If it is dirty, wet a new cotton-tipped stick and gently wipe the bar. Allow the white bar to air dry and check it again. If it is scratched or scuffed, or if it cannot be cleaned, replace the table (see page 26).

5 If you want to disinfect the table, do that now. Or insert the table into the instrument, pushing it in about halfway.



Do not use anything that will scratch the white bar. Do not use solvents of any kind to clean the bar.

Disinfecting the Table

Remove, clean, and dry the table.

2 Several solutions are safe to use on the table when they are used for no longer than 10 minutes once a day. Prepare one of the following solutions:

▲ Cidex[®]*, Theracide[®]*, and Amphyl[®]* — these products (or their equivalent) can be purchased for use in general disinfection. Prepare and use the solution according to the directions that come with the product.

▲ Household Bleach (5% sodium hypochlorite) — can be used either full strength or diluted to as much as a 1:20 dilution. To make a 1:20 dilution, add 5 mL of bleach to a container and add 95 mL of water, for a total volume of 100 mL. (To make a 1:10 dilution, combine 10 mL of bleach and 90 mL of water.)

▲ **Isopropyl Alcohol** (70% to 85%) — can be used full strength.

Use of any other solution may damage the table.

 Cidex (registered trademark of Johnson & Johnson) is a 3.2% glutaraldehyde solution.
 Theracide (registered trademark of Lafayette Pharmaceuticals, Inc., Lafayette, IN) is a quaternary ammonium solution.
 Amphyl (registered trademark of National

Amphyl (registered trademark of National Laboratories, L&F Products, Montvale, NJ) is a phenol solution.



Fill a tall, narrow container
 to a depth of about 10 cm
 (4 inches) with the solution
 you have prepared.

Place the table into the solution, making sure the white bar remains above the liquid level.

5 Soak the table for no longer than 10 minutes, then rinse it thoroughly with water.

6 Dry the table with a soft cloth or tissue and insert it into the instrument.

Removing Heavy Buildup

If the table is cleaned each day, heavy buildup should not occur. However, if the urine has dried on the table for many days, you may need to use a stronger solution to clean the table completely.

 Obtain a small volume of 0.1N sodium hydroxide (NaOH).

2 Remove the table from the instrument and clean it.

C Be sure the solution does not come in contact with the white bar! Do not cover the container while the table is soaking.



3 Wet a cotton-tipped stick with the NaOH. Thoroughly clean the trough and side areas of the table until all urine is removed.

4 Rinse the table **thoroughly** with water to remove the NaOH.

5 Wipe the surface of the table and the grooves on the under side of the table with a damp cloth. Then dry the table with a soft cloth or tissue and insert it into the instrument.

General Cleaning

Always keep the outside of the CLINITEK[®] 50 instrument clean and free of dust. You can wipe the outside with a *damp* (not wet) cloth and a mild detergent.

Wipe the display screen with a soft, nonabrasive cloth that has been dampened with a mild glass cleaner. Do not spray the glass cleaner directly onto the screen. Do not use laboratory wipes, such as Kimwipes[®], since they may scratch the screen.

Do not touch the white bar with the NaOH!

Do not use any type of solvent, oil, grease, silicone spray, or lubrication on the instrument.

The keypad and display may be disinfected using the same solutions as for the test strip table (see page 18). Wipe the solution on and allow to remain for 10 minutes. Rinse using a clean cloth dampened with water, then dry.

Appendix

Solving Problems

Your CLINITEK[®] 50 Analyser will give you trouble-free operation if you follow the directions for using and cleaning the instrument. If a problem occurs, however, an error message will be displayed. Follow the steps on the next page to help solve the problem.

If the printer is being used, most error messages will also show the word **HELP**. You can press the key under this word to print a description of the error and how to correct it. Press the key under the word **CONT** to continue. With most errors, the display will return to the READY FOR TEST screen; with certain errors, you will be told to turn the power *off*, then *on* again.

If the Bayer Reagent Strips or CLINITEK® Test seem to be causing the problem, carefully read the direction insert that comes with the Reagent Strips or Test for information that might help solve the problem.

If the Display is Blank

If there are no words on the display after the instrument has been turned *on,* check for each of these possible causes:

▲ The printer cover is not latched: If the cover is unlatched, the instrument turns itself off; it turns on again when the cover is snapped shut. If a test was being read or results being printed when the cover was raised, the results will be lost and the specimen must be retested.

▲ The power cord is not plugged in: Check the connections at the instrument, transformer, and wall outlet.

▲ The batteries in the battery pack are dead: Place fresh batteries into the pack.

▲ The instrument is broken: Contact your local Bayer office (see page 24).

Error Message

REPLACE BATTERIES

READING PROBLEM-RETEST HELP CONT

STRIP PROBLEM-RETEST HELP CONT

TABLE PROBLEM-RETEST HELP CONT

INSTRUMENT ERROR X HELP CONT

Possible Cause and Remedy

The batteries do not have enough power to test any more strips. Turn the power off and replace the batteries.

The test strip is either upside down or was not fully dipped. Discard the test strip, press **CONT**, and retest with a new test strip.

A test strip is either not present or not positioned properly; the short table is being used when the long table is required; or the test being used cannot be identified by the software. Discard the strip, then press **CONT** and retest using a new test strip and the correct table, or press **LIST** to see if your test can be used.

The test table is not in its correct position. The instrument or table may have been moved or bumped during testing, or the bottom of the table may be dirty. Discard the strip. Remove and clean the table, then reinsert. Press **CONT** and retest with a new test strip.

Error 3: The table is not present or is not pushed in far enough to allow movement. Push the table in about halfway.

Error 5: The long table is being used when the short table is required. Insert the proper table and retest with a new test strip.

All other Errors: Discard the strip. Turn the instrument *off,* wait several seconds, then turn it back *on.* If the error occurs again, contact your local Bayer office (see page 24).



If you need additional help, our Customer Service Department is here to assist you. Before you call, please fill out this checklist (you may want to make a photocopy of the page first). Then call the nearest Bayer office using the list on the next page.

CLINITEK® 50 Problem Checklist

Se	rial Number		
Ins	tallation Date		
		YES	NO
1.	Have you reviewed the error messages on page 22?		
2.	Does the test table move out to the "load" position when the Analyser is first turned <i>on</i> ?		
3.	If Step 2 is NO —		
	 Is the power cord plugged into a live electrical outlet, into the transformer, and then into the Analyser? 		
	• If using the battery pack, are the batteries fully charged and correctly placed in the pack and the cord plugged into the Analyser?		
4.	Does the display show the expected messages? (If the display is blank, see page 21 for possible causes.)		
5.	Does the test table move into the Analyser shortly after the Φ key is pressed?		
6.	Does a test strip dipped into a negative control provide correct results?		
	Has a second test strip been tried?		
7.	Is the name of the Bayer Reagent Strip shown on the display the same as the product being used? (If using any of the CLINITEK Tests, is the name of the product you are using included in the list		
	of available tests? See page 8.)		
8.	Does the display or printout show the correct test names and reasonable results?		
9.	Is the test table or the white bar dirty, scratched, or damaged?		
10.	Does the test table operate correctly?		
	If not, describe:		_

11. Please record any error messages that have been displayed:

Where to Call for Service

Call the Bayer office that is nearest you:

Canada

Bayer Inc. Healthcare Division 77 Belfield Road Toronto, Ontario M9W 1G6 Telephone: 416-248-0771

U.K.

Bayer Plc, Bayer Diagnostics Bayer House Strawberry Hill Newbury RG14 1JA Telephone: 01635 566211

Australia

Bayer Australia Ltd. Healthcare Division 875 Pacific Highway Pymble NSW 2073 Telephone: 61 2 391-6400 1-800-028-251

East Asia, Pakistan, Sri Lanka, Bangladesh

Bayer (Singapore) Pte, Ltd. Regional Headquarters BG-DS 9 Benoi Sector Singapore 629844 Telephone: 65 261-3389 Fax: 65 266-3376



Ordering Accessories

Product No.	Description
6511	Battery Pack and Batteries
5773	Thermal Printer Paper (5 rolls)
1364	CHEK-STIX [®] Combo Pak Control Strips (1 bottle each — Positive and Negative Control Strips)
1360	CHEK-STIX [®] Positive Control Strips for Urinalysis (1 bottle of 25 strips)
6517	Computer Cable/Connector Kit
6521	Software Update Kit (Cable and software disk can also be ordered separately)

Where to Order:

You can order these accessory items through your nearest Bayer office. The address and phone number are found on page 24.

Ordering Replacement Parts

Part No.	Description
95001874	Test Strip Table — Long (labeled "L") (for use with Bayer Reagent Strips with five or more tests and with all CLINITEK [®] Tests)
95001875	Test Strip Table — Short (labeled "S") (for use with Bayer Reagent Strips with four or fewer tests except for CLINITEK [®] line of tests)
50062316	Printer Cover

Where to Order:

You can order these replacement parts through your nearest Bayer office. The address and phone number are found on page 24.

Specifications

Power Required:

Power Transformer: Input: 100-250 V~, 50/60 Hz, 0.5-0.3 A Output: +9 V === , 2.78 A

Optional Battery Pack -Holds 6 "AA" standard alkaline or rechargeable NiCad batteries

Up to 200 tests can be run when using new alkaline batteries, fewer with rechargeable batteries.

Instrument Fuse: 4A, 63V, Quick-Acting (not replaceable by the user)

Line Leakage Current:

<0.5 milliamperes in normal condition

<3.5 milliamperes in single fault condition (Testing protocol and allowable limits as specified by the safety standards for laboratory equipment outlined in UL 3101-1. CSA 22.2, No. 1010.1, and IEC 1010-1.)

Computer Interface:

Customized RJ11 Cable (For use in connecting to a computer only)

Dimensions:

Depth — 23.5 cm (9.2 in.) Width — 15.2 cm (6.0 in.) Height — 15.5 cm (6.1 in.)

Weight:

Instrument only — 1.25 kg (2.8 lbs.) Instrument with Battery Pack — 1.42 kg (3.1 lbs.)

Ambient Operating Temperature Range:

18°C to 30°C (64°F to 86°F) **Optimum Operating Temperature** Range:

22°C to 26°C (72°F to 79°F)

Ambient Operating Humidity Range:

20% to 85% Relative Humidity

Safety Standards:

The CLINITEK® 50 Urine Chemistry Analyser is listed by the Underwriters' Laboratories. Inc. (UL) and the Canadian Standards Association (CSA) as certified and complies with the safety standards specified in UL 3101 and CSA-C22.2. No. 1010.1.

The instrument meets the provisions of the IVD Directive 98/79/EC (Oct./1998).

Warning:

This instrument is for *in vitro* diagnostic use (**IVD**) and must be used in the manner specified in this User's Guide in order to provide the safety and performance standards specified.

Symbols:



DC Voltage Power Input

10101 **Computer Interface**



Refer to User's Guide for complete information on using this instrument.



Manufactured by



EC REP Authorized Representative



	Abbre- viation	Units	Printed/Displayed Results				
lest			Normal	System	+ / – Syste	m	
Colour*			YELLOW ORANGE RED	GREEN BLUE BROWN	No Differen	ce	
Glucose	GLU	mg/dL	NEGATIVE 100 250	500 > = 1000	NEGATIVE TRACE 1+	2+ 3+	
Bilirubin	BIL		NEGATIVE SMALL	MODERATE LARGE	NEGATIVE 1+	2+ 3+	
Ketone	KET	mg/dL	NEGATIVE TRACE 15	40 > = 80	NEGATIVE TRACE 1+	2+ 3+	
Specific Gravity	SG		< = 1.005 1.010 1.015	1.020 1.025 > = 1.030	No Differen	ce	
Occult Blood	BLO		NEGATIVE TRACE-LYSED TRACE-INTACT	SMALL MODERATE LARGE	NEGATIVE TRACE-LYSED TRACE-INTACT	1+ 2+ 3+	
рН	рН		5.0 6.5 5.5 7.0 6.0 7.5	8.0 8.5 9 9	No Differen	се	
Protein	PRO	mg/dL	NEGATIVE TRACE 30	100 > = 300	NEGATIVE TRACE 1+	2+ 3+	
Urobilinogen	URO	E.U./dL	0.2 1.0 2.0	4.0 > = 8.0	No Differen	се	
Nitrite	NIT		NEGATIVE	POSITIVE	No Differen	се	
Leucocytes	LEU		NEGATIVE TRACE SMALL	MODERATE LARGE	NEGATIVE TRACE 1+	2+ 3+	

*Colour may be preceded with "LT." or "DK."

Shaded areas = abnormal results

Table 1

ENGLISH — CONV. Units — Conventional



	Abbre- viation	Units	Printed/Displayed Results				
lest			Normal	System	+ / – Systen	n	
Colour*			YELLOW ORANGE RED	GREEN BLUE BROWN	No Differenc	e	
Glucose	GLU	mmol/L	NEGATIVE 5.5 14	28 > = 55	NEGATIVE TRACE 1+	2+ 3+	
Bilirubin	BIL		NEGATIVE SMALL	MODERATE LARGE	NEGATIVE 1+	2+ 3+	
Ketone	KET	mmol/L	NEGATIVE TRACE 1.5	3.9 > = 7.8	NEGATIVE TRACE 1+	2+ 3+	
Specific Gravity	SG		< = 1.005 1.010 1.015	1.020 1.025 > = 1.030	No Differenc	e	
Occult Blood	BLD	Ery/µL	NEGATIVE TRACE-LYSED TRACE-INTACT	Ca 25 Ca 80 Ca 200	NEGATIVE TRACE-LYSED TRACE-INTACT	1+ 2+ 3+	
рН	рН		5.0 6.5 5.5 7.0 6.0 7.5	8.0 8.5 > = 9.0	No Differenc	e	
Protein	PRO	g/L	NEGATIVE TRACE 0.3	1.0 > = 3.0	NEGATIVE TRACE 1+	2+ 3+	
Urobilinogen	UBG	µmol/L	3.2 16 33	66 > = 131	No Differenc	e	
Nitrite	NIT		NEGATIVE	POSITIVE	No Differenc	е	
Leucocytes	LEU	Leu/µL	NEGATIVE Ca 15 Ca 70	Ca 125 Ca 500	NEGATIVE TRACE 1+	2+ 3+	

*Colour may be preceded with "LT." or "DK."

Shaded areas = abnormal results

Table 2

ENGLISH — S.I. Units — International (S.I.)



	Abbre- viation	Units	Printed/Displayed Results				
lest			Norr	nal S	System	+ / – Syste	m
Colour*			YELLOW ORANGE RED		GREEN BLUE BROWN	No Differen	ce
Glucose	GLU		NEGATIVE 1+ 2+		3+ 4+	NEGATIVE TRACE 1+	2+ 3+
Bilirubin	BIL		NEGATIVE 1+		2+ 3+	No Differen	се
Ketone	KET		NEGATIVE 1+ 2+		3+ 4+	NEGATIVE TRACE 1+	2+ 3+
Specific Gravity	SG		< = 1.005 1.010 1.015		1.020 1.025 > = 1.030	No Differen	ce
Occult Blood	BLD		NEGATIVE + / - + / - INTACT		1+ 2+ 3+	No Differen	се
рН	рН		5.0 5.5 6.0	6.5 7.0 7.5	8.0 8.5 > = 9.0	No Differen	се
Protein	PRO		NEGATIVE +/- 1+		2+ 3+	NEGATIVE TRACE 1+	2+ 3+
Urobilinogen	URO	µmol/L	3.2 16 33		66 > = 131	No Differen	ce
Nitrite	NIT		NEGATIVE		POSITIVE	No Differen	се
Leucocytes	LEU		NEGATIVE 1+ 2+		3+ 4+	NEGATIVE TRACE 1+	2+ 3+

*Colour may be preceded with "LT." or "DK."

Shaded areas = abnormal results

Table 3

ENGLISH — NORDIC Units — Nordic Plus System



Be kind to the environment. Please recycle the User's Guides you do not use.