Set Language

Select **Language** and press **ENTER** to cycle through the available display languages, leaving the selection on the chosen language.

```
Analyzer Configuration          ⟲
Printer Setup
Sound :                  On
Barcode reader :         No
Language :               English
Date/Time
Auto Number Reset        Yes
➞ Exit    Press ENTER to change
```

Barcode Reader (Optional)

If no Barcode Reader is present, leave this selection at **No**. If Barcode reader is present, set this setting to **Yes**. Refer to the detailed instructions in the Instruction Manual for installing and configuring the optional Barcode reader.

Sound

Select **Sound** and press **ENTER** to cycle through the audio options. Leave this setting at **On** for all audio prompts and indications.

Printer Setup

Select **Printer Setup** and press **ENTER** to show the Printer Setup screen. Select **Printer Select** and press **ENTER** to cycle through **Internal** or **External** options. Leave at **Internal** to use the internal printer.

Select **Auto-Print** and press **ENTER** to cycle through Auto-Print **Off** or **On**. Leave at On to automatically print all results.

Select **Print Copies** and press **ENTER** to select the number of copies to print, from 1 to 3.

Select **Exit** and press **ENTER** to exit this screen.

Select **Exit** and press **ENTER** to return to the Menu screen.

This completes analyzer setup functions. Select **Exit** and press **ENTER** to return to the Initial Screen.

```
Printer Setup                   ⟲
Select  Printer :        Internal
Print Darkness:          5
Printer Mode:            Normal
Auto-Print:              On
Print Copies:            1
➞ Exit
    Press ENTER to change
```

```
Pro Advantage Urine Analyzer

Analyzer is self testing
Please wait a moment

2012 NDC, Inc.
All rights reserved
```

Begin Testing

For Operation:

Press the **START** key to extend the Strip Holder and show the testing menu screen.

Scan using barcode reader or manually enter the canister code from the canister. If the canister code is correct, the analyzer will display the initial screen.

Note: QC and User Lockout functions are available. Refer to the Instruction Manual for details.

```
Scan or Enter Canister Code     ⟲
                                🖨
Code:

                                📦
                                000
    Press CANCEL to exit
```

Press **START** again to show the testing screen. A timer will show in the lower right of the screen, beginning at **65** seconds. Dip a new strip into the urine sample to be tested. Drain excess sample from the strip and place it on the Strip Holder when the timer reaches **62**.

```
No. 000001          10U          ⟲
Mode: Routine                    🖨

    Place a strip on the Holder  📦
                                 000
    Press ENTER to change Mode
          START to test
          CANCEL to exit
```

A triple beep will be heard. The test strip will remain on the strip carrier until it is moved into the analyzer. The strip pads are read and the results displayed. The Strip Holder returns the strip to the extended position. The strip can then be removed and a new sample analyzed.

```
No. 000001          10U          ⟲
Mode: Routine                    🖨

                                 📦
                                 000
         Testing . . .

     Press CANCEL to exit        000
```

Refer to the Instruction Manual for more advanced processing and settings.

Printed Results

Arbitrary units will always be printed. Either Conventional or SI unit results will also be printed depending on the units setting.

```
ID: 0058164578
Date/Time: 2008-07-15  16:54
Operator: 01
No.  000011
LEU      -          neg
NIT      -          neg
URO      -          0.2   mg/dL
PRO      -          neg
pH       5.5
BLO      -          neg
SG       1.030
KET      ±          5     mg/dL
BIL      -          neg
*GLU     1+         250   mg/dL
```

Patient ID / Date/Time / Operator ID / Test Number — Test Parameters — Abnormal Results — Units

CLIA Waived Information

The Pro Advantage® Urine Analyzer is CLIA waived when used with strips of the same brand as the analyzer. Only laboratories with a Certificate of CLIA Waiver may use this analyzer in a waived setting. Users should read this complete test procedure before performing a test using this analyzer. Failure to adhere to these instructions for use and for performing QC testing is considered off-label use. Off-label use is categorized as high complexity and subject to all CLIA regulations.
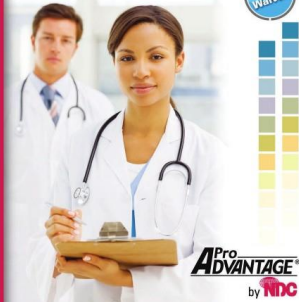
Service and Support

For technical support or other customer services, please contact 1-(800)-838-9502.

Pro Advantage by NDC
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407 New Sanford Road, La Vergne, TN 37086
www.ProAdvantagebyNDC.com

CLIA Category: WAIVED
DN: 1150673901
Eff.Date: 2012-04-09

Urine Analyzer

REF: **P080000**

Pro ADVANTAGE by NDC

Quick Start Guide

Place the analyzer on a level surface. Allow 80 x 50 cm on all sides of the analyzer for access.

Plug the power cord into a power outlet, then press the power switch located on the back panel of the anyalyzer to turn on. The Anyalyzer will run a self-test. With no strip holder installed, the self test will fail indicating "Optical Sensor Failed". The Strip Holder Mount will be extended. Turn the analyzer power off.

Install Printer Paper

Pull up on the finger pull area marked ≣ to open the **Printer Cover**.
Place paper roll in the printer box. The paper comes from the bottom of the roll up into the printer.
A green **Paper Release Lever** is located near the **Printer Roller**. Press the back end of the **Paper Release Lever** towards the front of the analyzer to release the pressure on the **Printer Roller**. Feed the paper under the **Printer Roller** until the end shows above the roller.
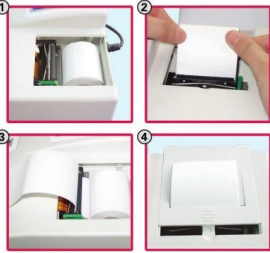Pull the paper up.
Leave 10 cm (4 inches) of extra paper above the **Printer Roller**.
Press the front end of the green **Paper Release Lever** down to lock the **Printer Roller**.
Thread the excess paper through the **Printer Paper Access slot** in the **Printer Cover**.
Return the **Printer Cover** to its original closed position.

Install Strip Holder

Remove the plastic packaging from the provided Strip Holder. Place the Strip Holder on the Strip Holder Mount with the white calibration circle positioned towards the analyzer such that it slides loosely in the locating channel. Push the Strip Holder in towards the analyzer until it snaps into place and is held firmly on the Strip Holder Mount.

Power up Analyzer

Turn the Power Switch on. The Self-Test will be run again with Strip Holder Mount retracted. The Initial Screen will be displayed. Press **MENU** to show the Menu screen to configure the analyzer.

```
Pro Advantage Urine Analyzer    01-12-10
                                15:19
Analyzer is self testing
Please wait a moment

2012 NDC, Inc.          Press MENU or START
All rights reserved     Press Enter for ID Admin
```

Configure Analyzer

Select options by pressing ▲ or ▼ until the Selection Arrow (➞) is next to the option. Press **Enter** to show the options in a new screen or cycle through the settings as listed below. Select **Exit** and press **Enter** to return to the Initial Screen.

```
MENU                            ⟲
Test Settings
Analyzer Configuration
Database
Self Test
QC Test
➞ Exit

    Press ENTER to change
```

Select Type of Strip

Select **Type of Strip** and press **ENTER** to change the strip type. Each strip type defines the number of test parameters per strip, in this case 10 parameters. Each press of the **ENTER** key cycles through all options. Press **ENTER** until **Type of Strip** matches the strips to be used.

```
Test Settings                   ⟲
Type of Strip           10U
Mode                    STAT
Test Number             100001
Continuous Test         On
Operator                01
Units                   SI
➞ Exit    Press ENTER to change
```

Select Mode

Select **Mode** and press **ENTER** to change the Mode to **Normal**.

Select Continuous Test Mode

Select **Continuous Test** and press **ENTER** until **Off** is displayed for **Single Test**.

Select Units

Select **Units** and press **ENTER** to select either **Conventional** or **SI** units. Select **Exit** and press **ENTER**. Select **Analyzer Configuration** and press **ENTER**.

```
Analyzer Configuration          ⟲
Printer Setup
Sound :                  On
Barcode reader :         No
Language :               English
Date/Time
Auto Number Reset        Yes
➞ Exit    Press ENTER to change
```

Set Date/Time

Select **Date/Time** to show the Date/Time menu. Selecting **Date Format** and **Time Format** then pressing **ENTER** will cycle these selections through the available options. Select the proper format.

```
Date/Time               07-15-08
                        11:04 am

Date Format:            MM - DD -YY
Time Format:            12 Hour
Set Date and Time
➞ Exit
        Press ENTER to change
```

Select **Set Date and Time** and press **ENTER**. Follow on-screen directions to set the current time and date. Press **ENTER** to accept the changes and exit the screen. Press **ENTER** again to exit the Date/Time menu.

```
Date/Time               07-15-08
                        11:04 am

▲▼ to change    ◄► to move

Press ENTER to accept
CANCEL to exit
```

Urinalysis

A **Pro** **DVANTAGE** ®
by **NDC**

Report Form

Patient Name: _____

Age: _____   ❏ Male   ❏ Female

Physician's Name: _____

Collection Date: _____   Test Date: _____   Tester's Initials: _____

Physical Characteristics:

Color: ❏ Colorless   ❏ Yellow   ❏ Amber   ❏ Orange
              ❏ Green   ❏ Red   ❏ Other

Appearance: ❏ Clear   ❏ Hazy   ❏ Cloudy   ❏ Turbid

Chemical Measurements: (circle one)

Test							
Urobilinogen (mg/dL)	Normal	2	4	8			
Glucose (mg/dL)	Negative	50	100	250	500	1000	
Ketone (mg/dL)	Negative	trace/5	+/15	++/40	+++/80	++++/160	
Bilirubin	Negative		+	++	+++		
Protein (mg/dL)	Negative	trace		+/30	++/100	+++/300	++++/2000
Nitrite	Negative	Positive (any pink color is considered positive)					
Leukocytes	Negative	trace	+	++	+++		
Blood	Negative	trace	mod Non-Hemolyzed	trace Hemolyzed	+/small	++/mod	+++/large
pH		5	6	6.5	7	8	9
Specific Gravity		1.000	1.005	1.010	1.015	1.020	1.025	1.030

Microscope Examination:

WBC _____ /HPF   Crystals _____   Spermatozoa _____

RBC _____ /HPF   Bacteria _____   Artifacts _____

Casts _____ /LPF   Yeast _____   Other _____

Epithelial Cells_____ /HPF   Parasites _____

Comments:

_____
_____
_____
_____