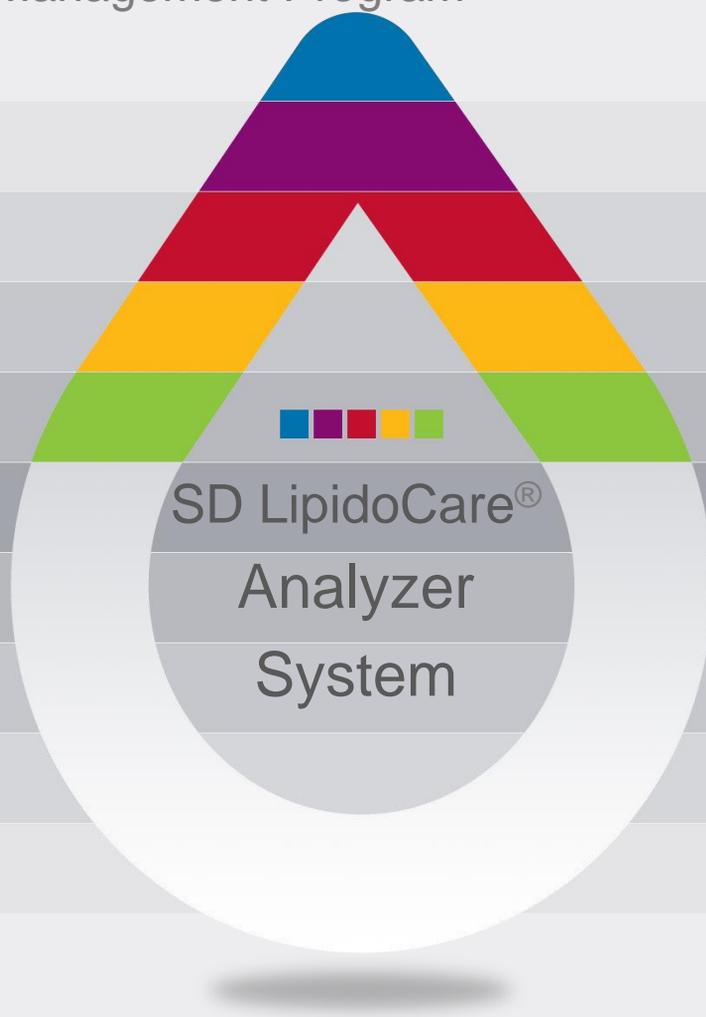


Product Manual

# LMS (Lipid Management Software)

SD LipidoCare<sup>®</sup> Lipid Management Program



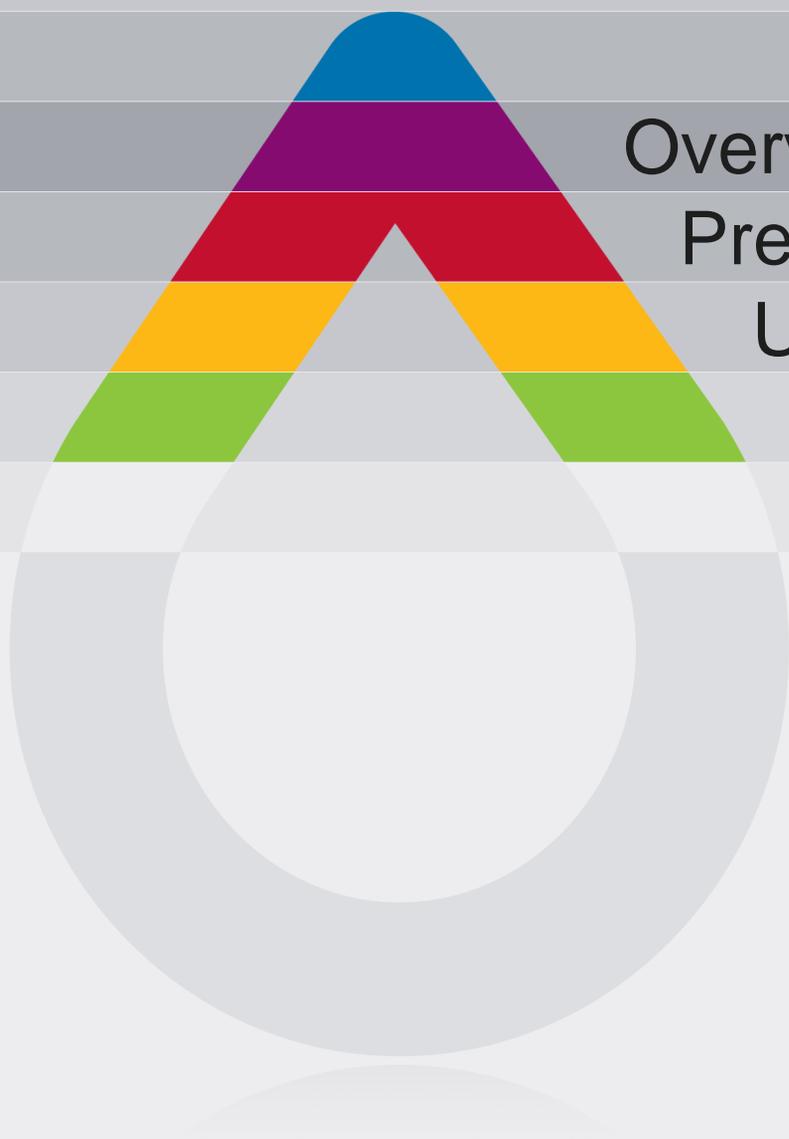
 SD BIOSENSOR, INC



# Contents

Overview	-----	04
Precautions	-----	05
Usage	-----	05
Requirements	-----	07
Installing SD LipidoCare Lipid Management Program	-----	09
Removing SD LipidoCare Lipid Management Program	-----	15
Connecting with PC	-----	18
Using SD LipidoCare Lipid Management Program	-----	20
Data View	-----	24
Settings	-----	31

# SD LipidoCare Analyzer System



Overview

Precautions

Usage

SD LipidoCare  
Analyzer  
System

# Overview

The SD LipidoCare Lipid Management Software program is a software program used to transfer blood lipid and glucose measurements from the measurement device to a PC.

Besides taking lipid and glucose measurements, the SD LipidoCare Lipid Management Software program can also be used to analyze the blood lipid and glucose measurements using various other software tools.

The information analyzed using the SD LipidoCare Lipid Management Software program can assist the user or healthcare provider in effectively managing blood lipid and levels.

The SD LipidoCare Lipid Management Software program provides the following functions.

- Transfer lipid and glucose measurements from the measuring device to a PC
- Electronic data can be used as a substitute for a log book
- Share user's results with a doctor

The SD LipidoCare Lipid Management Software program supports the following models manufactured by SD BIOSENSOR INC.

Description	Model No.
SD LipidoCare Analyzer System	02LA10G

**Note:** This software can be used in all models released since 02LA10G.

# Precaution

The SD LipidoCare Lipid Management Software program should not be used for therapeutic and diagnostic purposes.

Please consult with a doctor before deciding on a course of action based on the results report produced from this product.

Do not measure blood lipid or glucose while the device is connected to a PC as there is risk of electrical shock.

Selected results cannot be transferred when results obtained from multiple persons are mixed together.

# Usage

**The SD LipidoCare Lipid Management Software is a software component for the following models.**

*SD LipidoCare Analyzer: Option*

The SD LipidoCare Lipid Management Program transfers the measurement results from the device to a PC for effective management of the measurements.

The purpose of the SD LipidoCare Lipid Management Program is to allow general users or specialized medical personnel to effectively review, analyze and evaluate lipid and glucose measurements at home or in a medical facility.



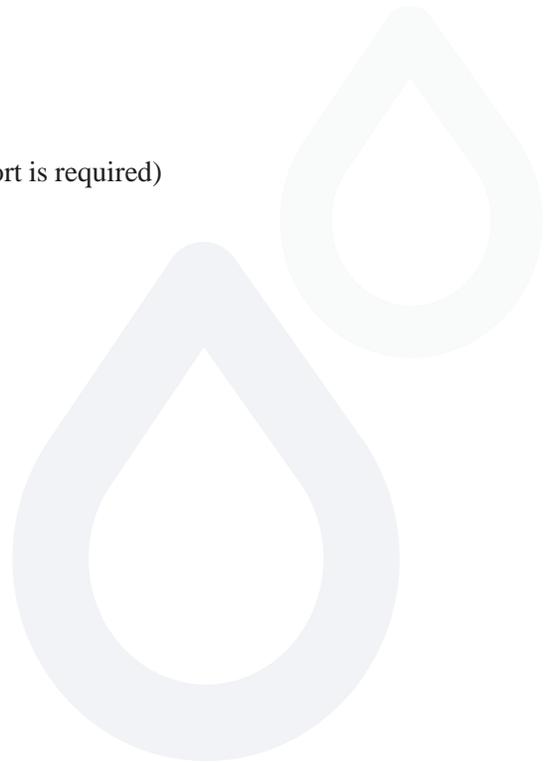
Requirements

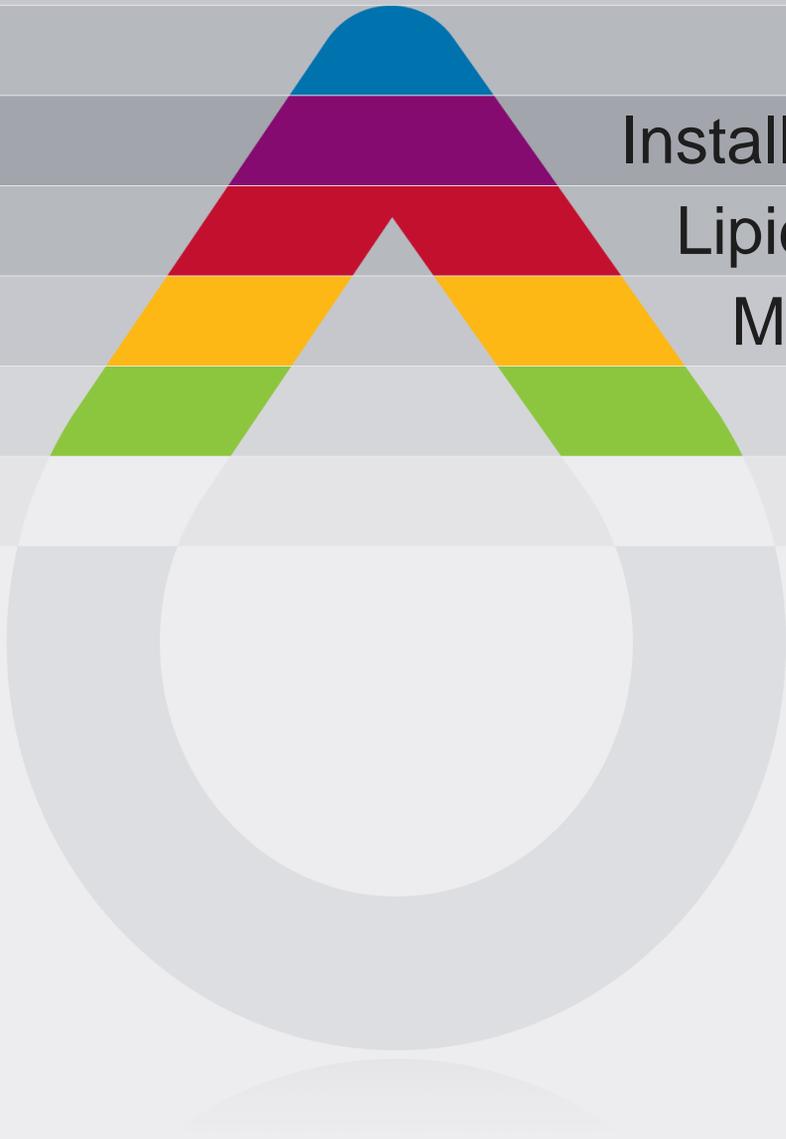
SD LipidoCare  
Analyzer  
System

# Requirements

**The following are the system requirements to run SD LipidoCare Lipid Management Program.**

- PC with at least 400MHz CPU. Does not support Mac
- More than 64MB of memory
- More than 14.2MB of HDD to run program
- Microsoft Windows 95, 95SE, 98, 2000, ME, XP, Vista or Windows 7
  - : 32 bit operation system only
- 1024 x 768 or higher resolution
- Keyboard and mouse
- Additional requirements
  - USB port to connect device
  - Printer connected to Windows (when printing result report is required)





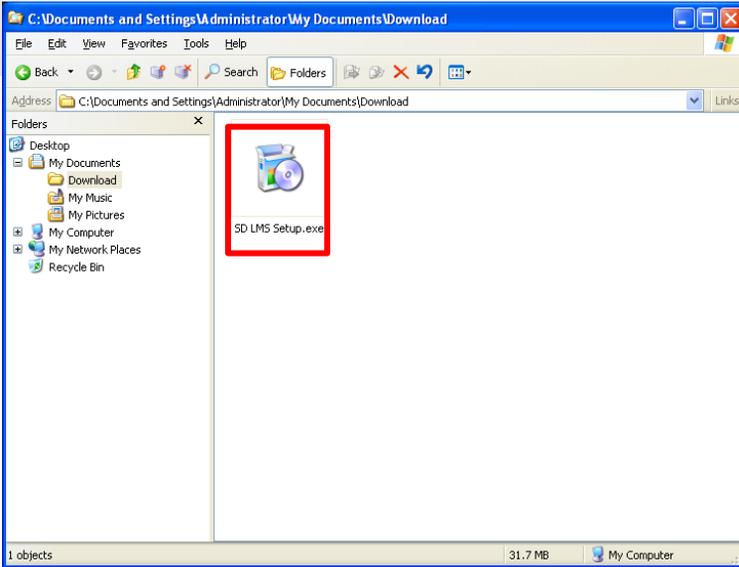
Installing SD

LipidoCare Lipid  
Management  
Program

SD LipidoCare  
Analyzer  
System

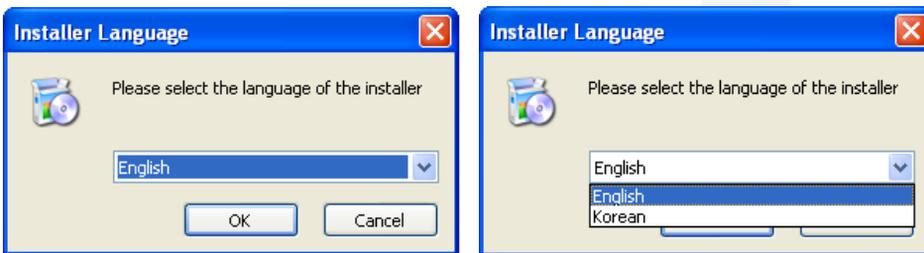
# Installing SD LipidoCare Lipid Management Program

1. Double click "SD LMS Setup.exe" icon to install the software (Fig. 1)



<Fig. 1>

2. The "Installer Language" window will pop up (Fig. 2). Click the  button to select your language. Click the "OK" button to install.



<Fig. 2>

Note: The software can only be installed in English or Korean.

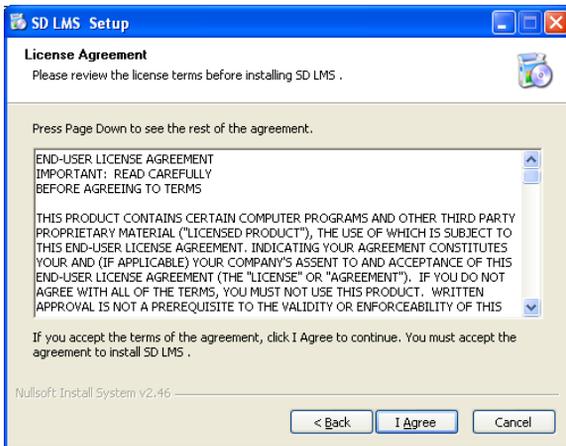
# Installing SD LipidoCare Lipid Management Program

3. The “Install SD LMS” window will appear (Fig. 3). Read the message and click “Next” to continue.



<Fig. 3>

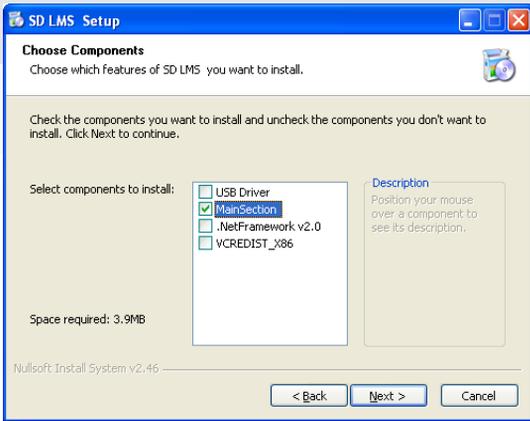
4. The “End User Agreement” will appear (Fig. 4). Read carefully and click “I Agree” button if you agree with the agreement or click “Cancel” if you wish to terminate the install.



<Fig. 4>

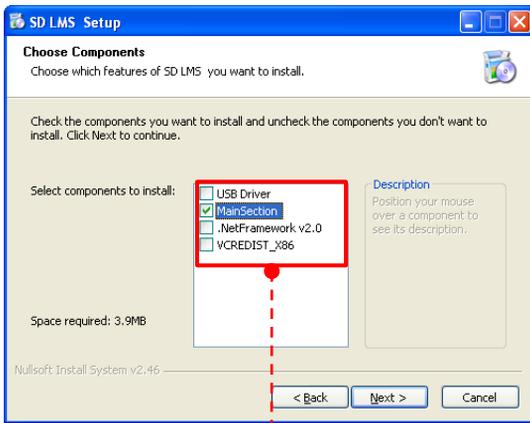
# Installing SD LipidoCare Lipid Management Program

5. The “Select components” window will appear (Fig. 5). Select the components you want to install. Click the “Next” button to continue install. Otherwise click the “Cancel” button to terminate the install.

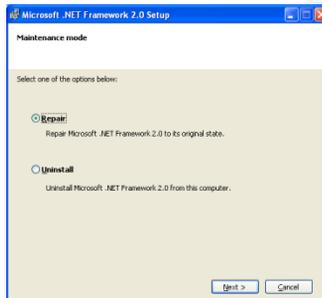


<Fig. 5>

The install program will run according to the components you wish to install (Fig. 5-1).



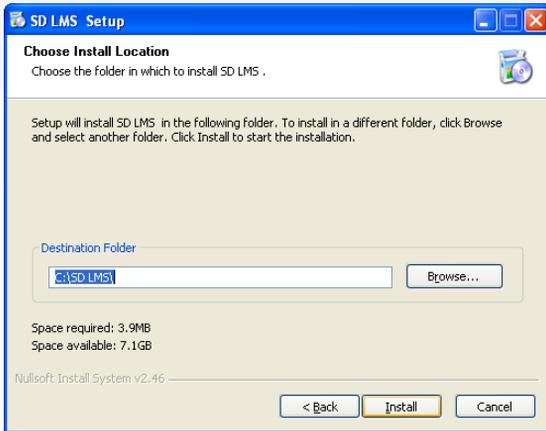
< Fig. 5-1 >



**Note:** Required components will be selected automatically and the installment process may differ based on the components you wish to install.

# Installing SD LipidoCare Lipid Management Program

6. The “Select folder” window will appear (Fig. 6). Use the basic install folder or click the “Search” button to search for the folder where you wish to install the software. Click “Cancel” button to terminate install.

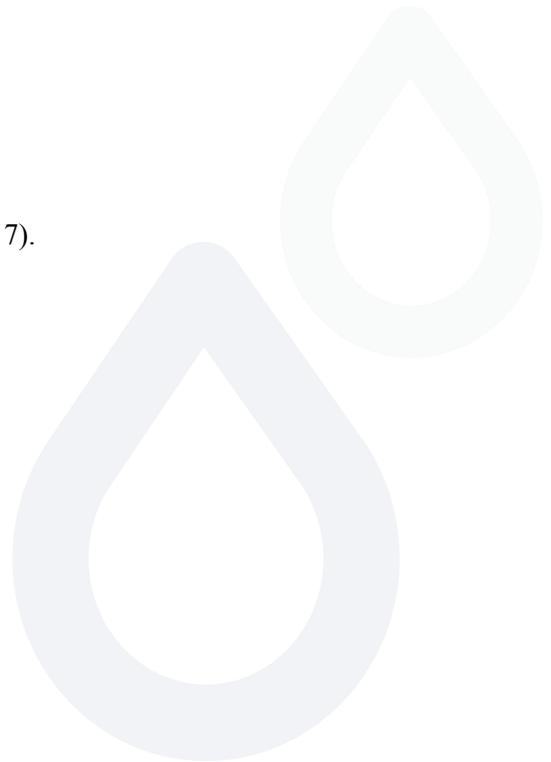


<Fig. 6>

7. Select a folder in the list and click the “OK” button (Fig. 7).

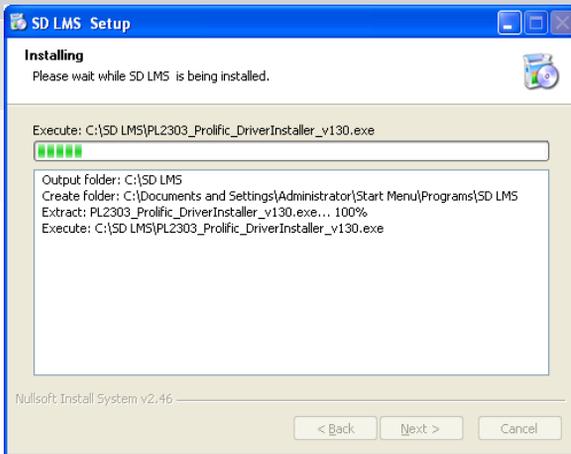


<Fig. 7>



# Installing SD LipidoCare Lipid Management Program

8. The ‘Installing’ window will appear (Fig. 8). Please wait while the SD LMS is installed.



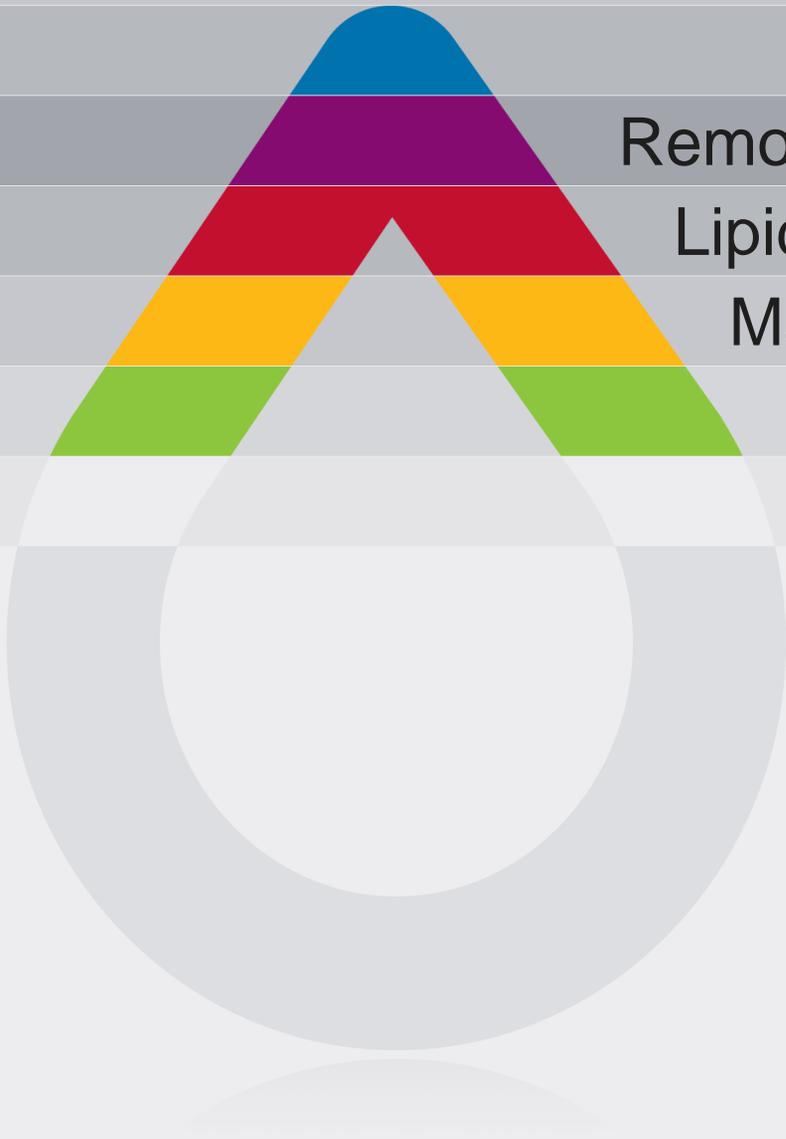
<Fig. 8>

9. The SD LMS has been installed.

Check the “Run SD LMS” and click “Complete” if you wish to run SD LMS.



<Fig. 9>

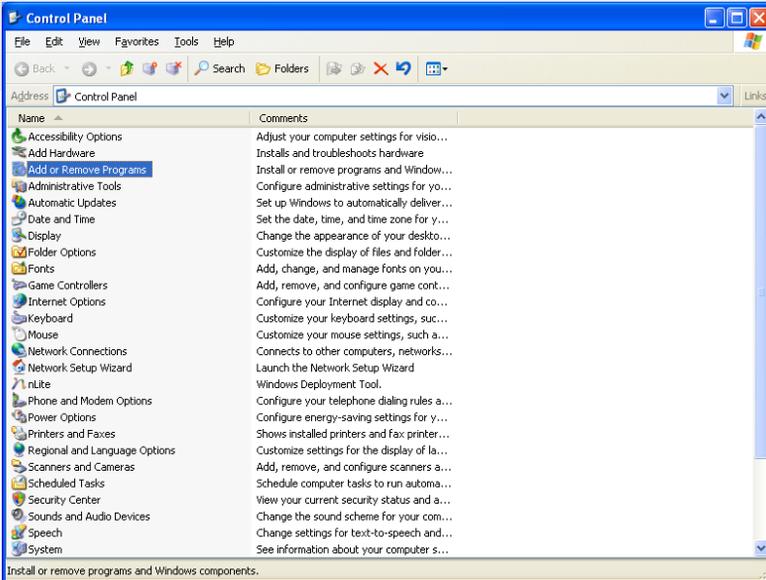


Removing SD  
LipidoCare Lipid  
Management  
Program

SD LipidoCare  
Analyzer  
System

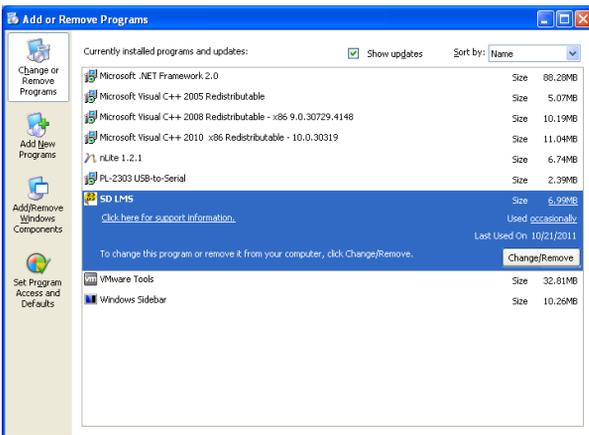
# Removing SD LipidoCare Lipid Management Program

1. Select “Control Panel” in the Windows Start menu. Double click “Add/Remove Programs” (Fig. 10).



<Fig. 10>

2. “Add/Remove Programs” window will appear. Select “SD LMS” and click the “Change/Remove” button to remove the software (Fig. 11).



<Fig. 11>

Note: All data containing lipid and glucose measurements stored in the PC will be deleted permanently if you remove the SD LipidoCare Management Program from your PC.

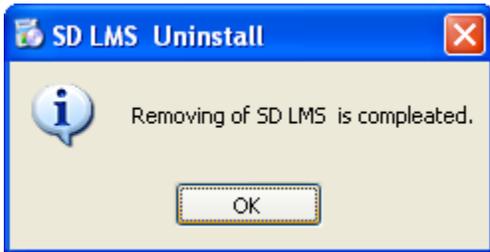
# Removing SD LipidoCare Lipid Management Program

3. The “SD LMS Uninstall” window will pop up (Fig. 12). Click the “OK” button if you really wish to remove the “SD LMS”.



<Fig. 12>

4. The “SD LMS Uninstall” window will appear (Fig. 13). Click “OK”.



<Fig. 13>

Note: All data containing lipid and glucose measurements stored in the PC will be deleted permanently if you remove the SD LipidoCare Management Program from your PC.



Connecting with PC

SD LipidoCare  
Analyzer  
System

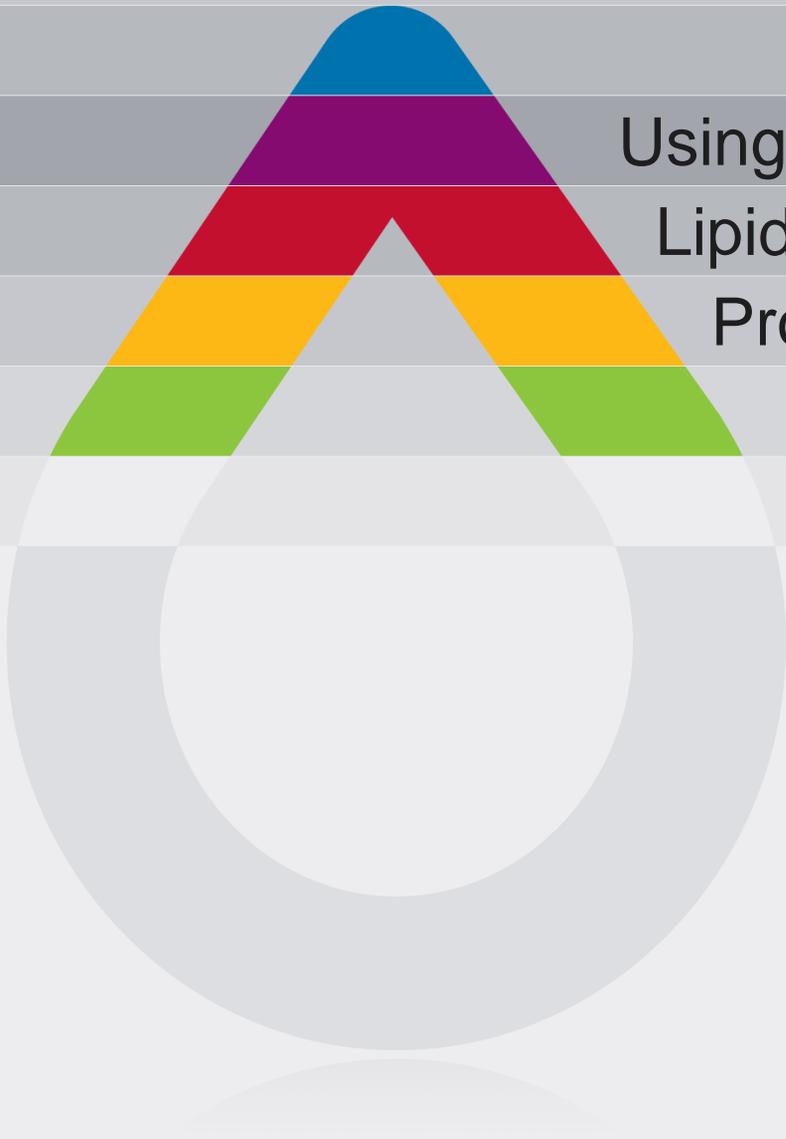
# Connecting with PC

You have to connect the device as shown below with a PC before you download the measurements to a PC or configure the device.

1. Connect the data cable to the device's data port while the analyzer is turned off.
2. Connect the other side of the data cable to the USB port of the PC.
3. Run SD LipidoCare Lipid Management Program.



**Note:** The data cable is sold separately. Contact your regional retailer to purchase a data cable.



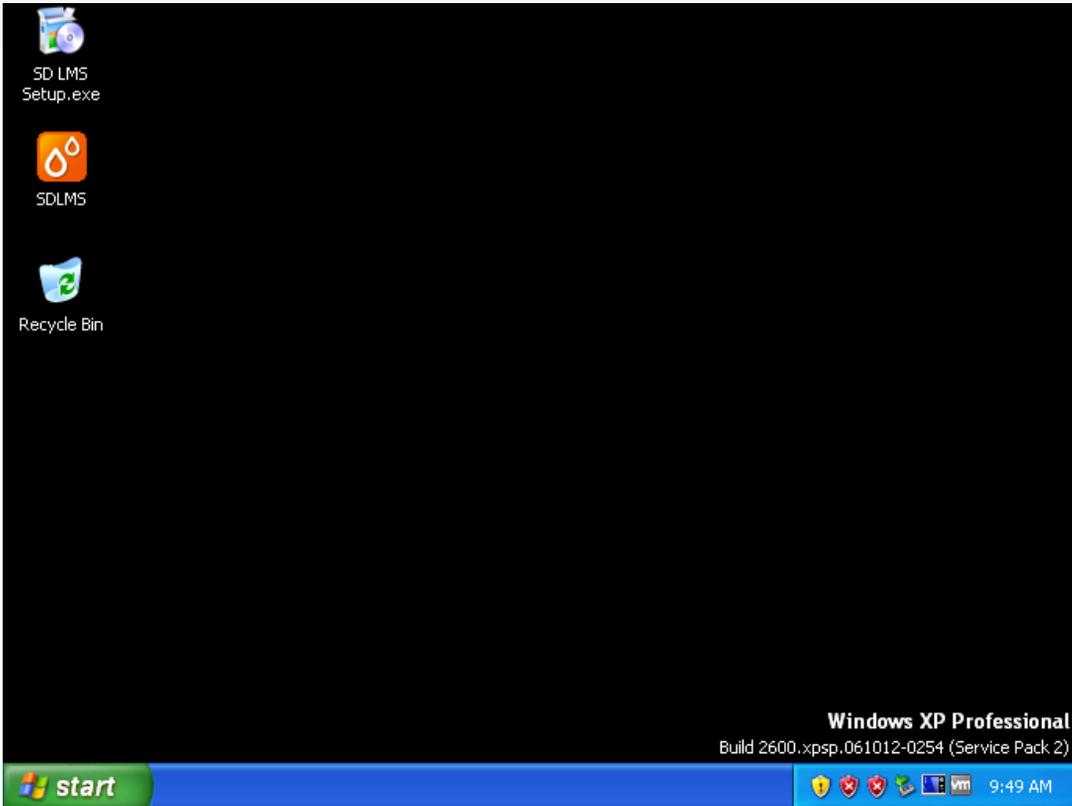
Using SD LipidoCare  
Lipid Management  
Program

SD LipidoCare  
Analyzer  
System

# Using SD LipidoCare Lipid Management Program

## Starting software

Double click the  icon on the desktop of your PC to run the software. The main menu screen will appear.



# Using SD LipidoCare Lipid Management Program

## Main menu / Functions of each button

Click the system icon on your PC's desktop or click the system icon in the Start menu to run the software and enter the main menu screen (Fig. 14).



<Fig. 14>

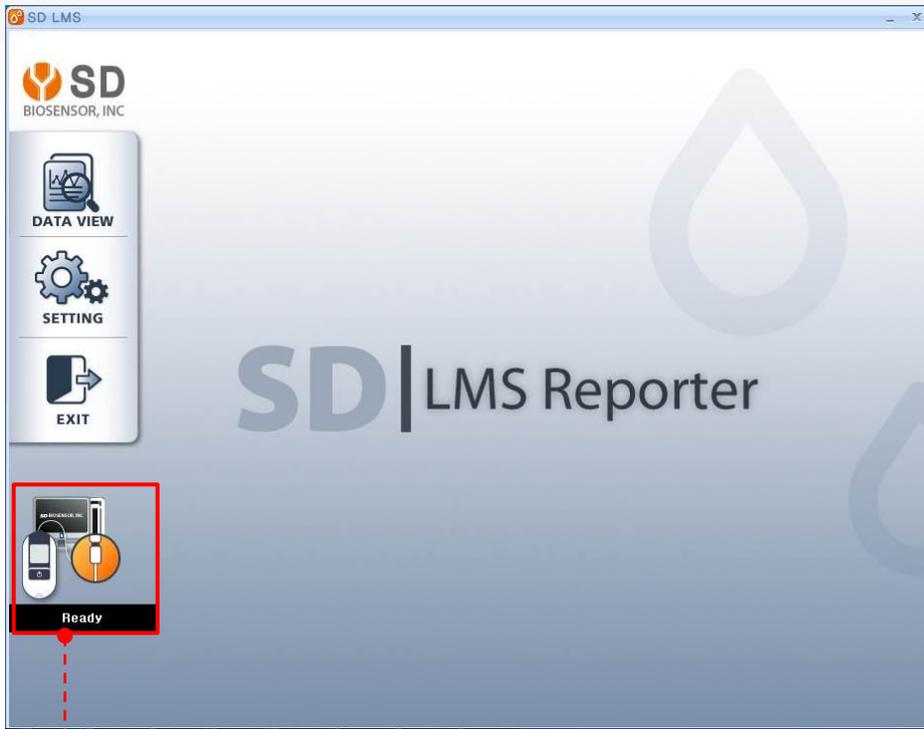
Click the following buttons in the main menu to use each function.

Button	Function
1. Data View	Register a new user or manage previous user information. Also view glucose measurements through this menu. (See “Data View” in page 23)
2. Setting	Configure settings for the system, screen, printing, language etc. (See “Settings” on page 28)
3. Exit	Click this button to end program.

# Using SD LipidoCare Lipid Management Program

## How to download datas

Connect the cable to PC's desktop and press  to download datas. (fig 15)



< Fig. 15 >

### Download Process





Data View

SD LipidoCare  
Analyzer  
System

# Data View

Click the  icon in the main menu to view the results (Fig. 16).  
**DATA VIEW**



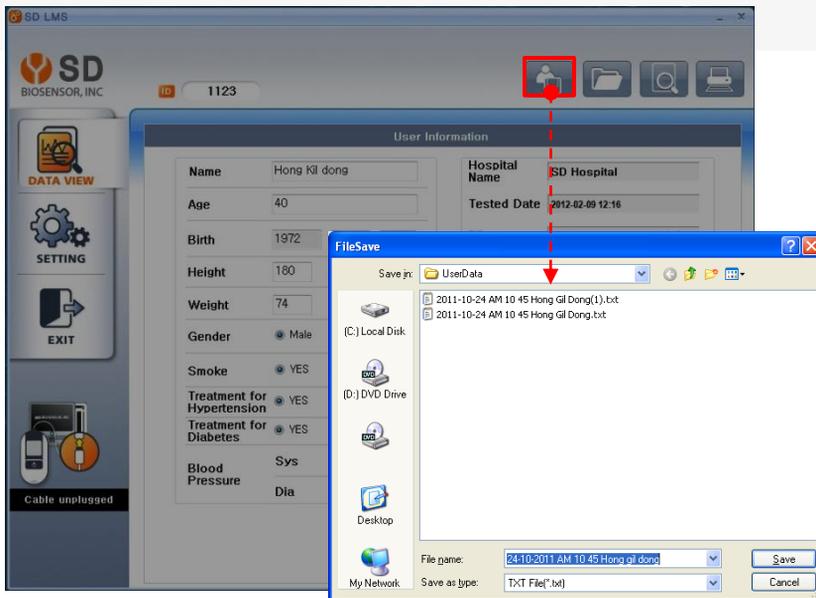
<Fig. 16>

A	B
User's personal information	User's measurements and results

Button	Function
1. Save file	Save registered user data.
2. Load file	Load saved data.
3. Preview	Preview report on SD LipidoCare's measurements for user.
4. Print	Print out report on SD LipioCare's measurements for user.
5. Clear	Delete registered data.

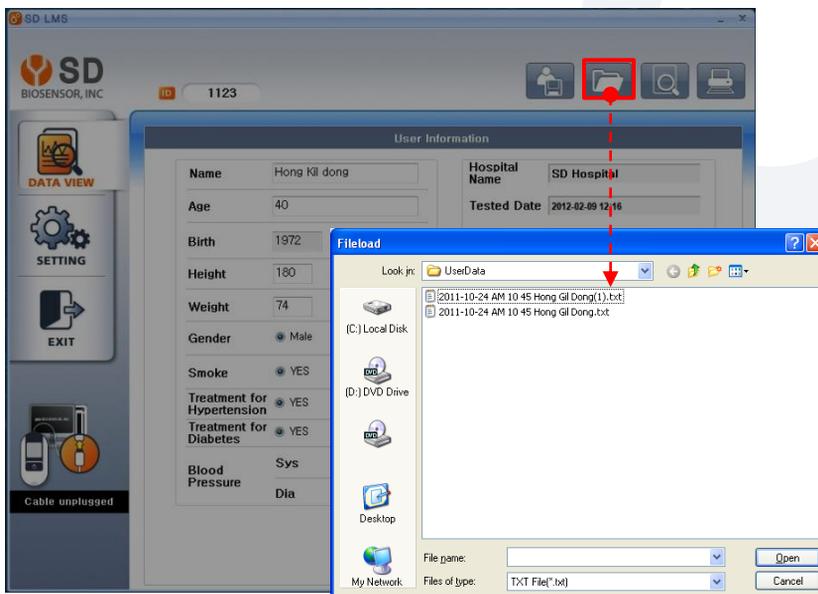
# Data View

Click the  button to open the Save File window where you can save the registered user data (Fig. 17).



< Fig. 17 >

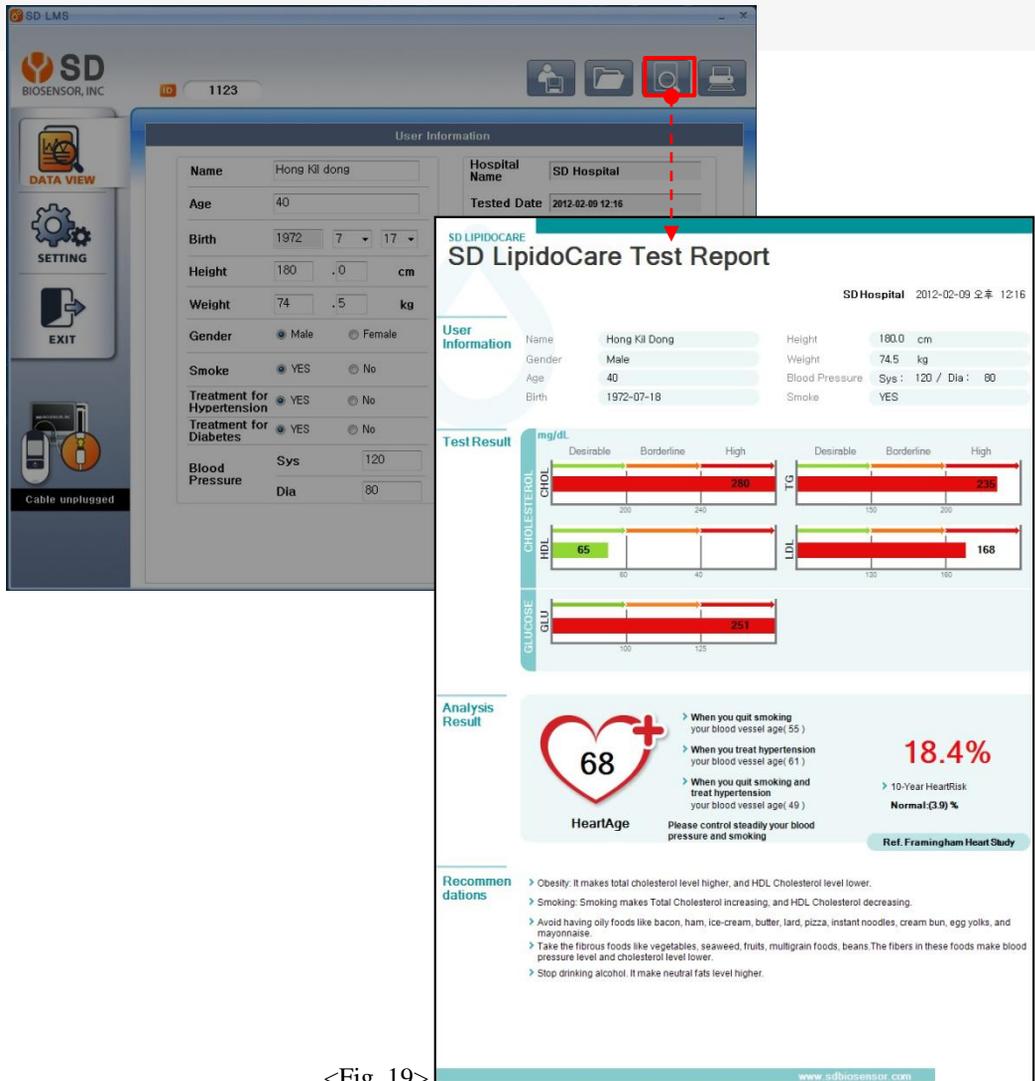
Click the  button to open the Load File window where you can load saved user data (Fig. 17).



< Fig. 18 >

# Data View

Click the  button to view SD LipidoCare’s results report (Fig. 19).

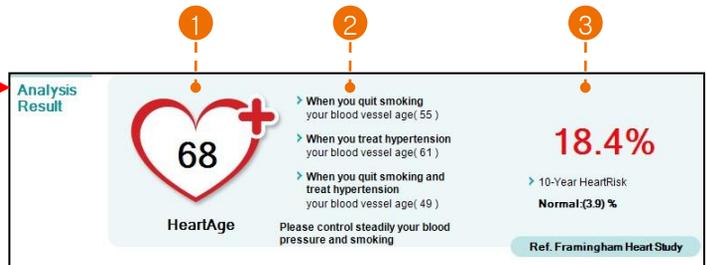
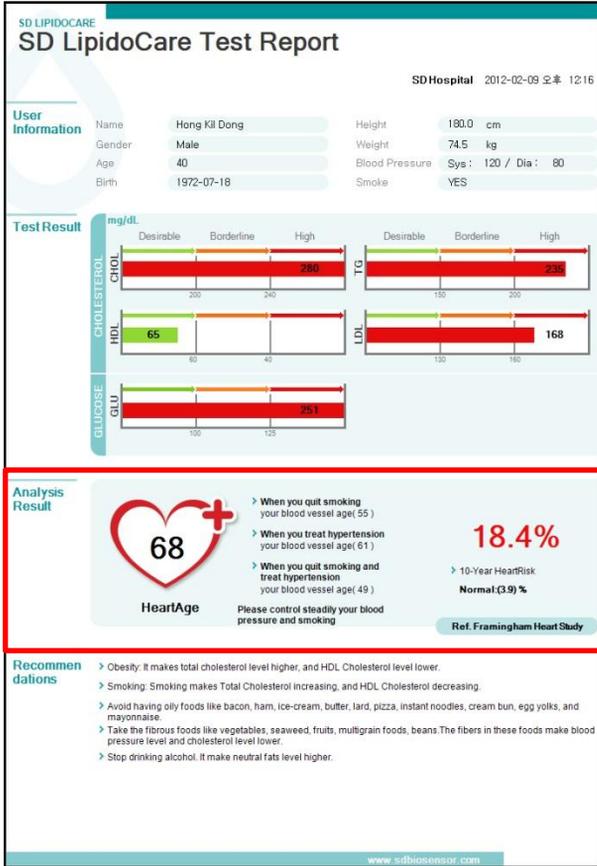


<Fig. 19>

Category	Description
1. Customer information	Provides user information including name, gender and age.
2. Details	Blood test measurements are categorized into “Safe, Warning, Risk Group” visualized in color bar graphs and provides useful information on health and diet.
3. Analysis Result	It provides user’s current Heart Age and incidence rate within next 10 years.
4. Recommendation	Provides probability of heart diseases for the next 10 years and precautions, and provides the user’s current heart age in numerical value.

# Data View

Click the  button to view SD LipidoCare's results report (Fig. 20).



- ① It shows user's current cardiovascular age based on Framingham Heart Study.
- ② LMS Report provide some brief tips to reduce user's blood vessel age.
- ③ It shows user's heart disease incidence rate within next 10 years.

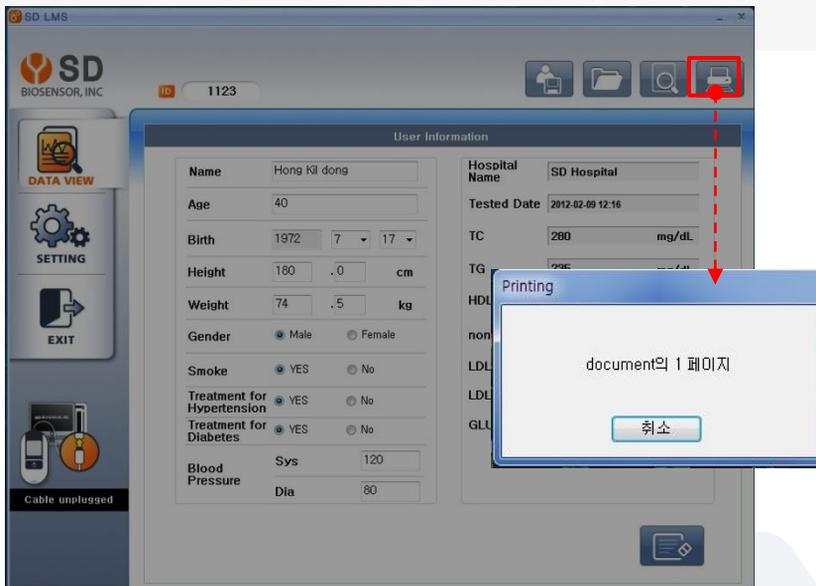
### ※ Framingham Heart Study

Since 1948, the Framingham Heart Study, under the direction of the National Heart, Lung and Blood Institute (NHLBI), formerly known as the National Heart Institute, has been committed to identifying the common factors or characteristics that contribute to cardiovascular disease (CVD). It have followed CVD development over a long period of time in three generations of participants.

<Fig. 20>

# Data View

Click the  button to print out SD LipidoCare's results report (Fig. 21).



< Fig. 21 >

# Data View

Click the  button to delete the registered user data and input new user information (Fig. 22).



<Fig. 22>

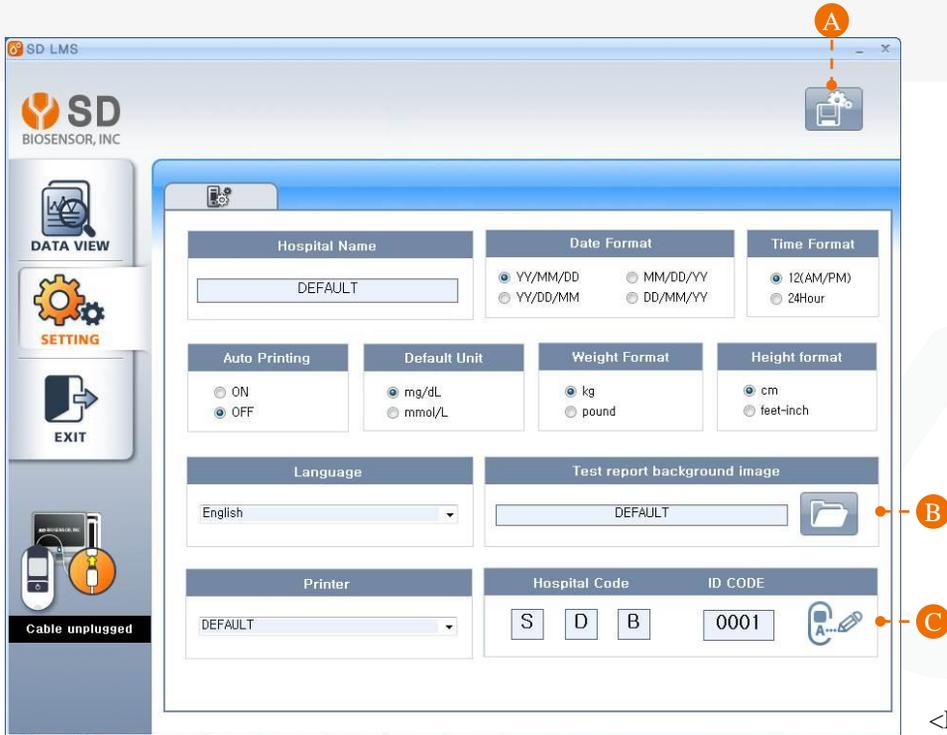


Settings

SD LipidoCare  
Analyzer  
System

# Settings

Click the  icon in the main menu to enter the Setting menu (Fig. 23).



<Fig. 23>

Category	Description
A	Save user's settings.
B	Load background image for results report.
C	Change measurement device's hospital code and ID code.

# Settings

You can set the date, time and unit for the system in the Setting screen (Fig. 24).



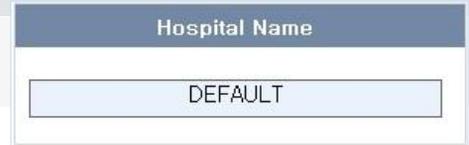
<Fig. 24>

Note: This system setting is applied only to the SD Lipid Management Program. It will not affect the settings of the analyzer

# Settings

① Hospital name

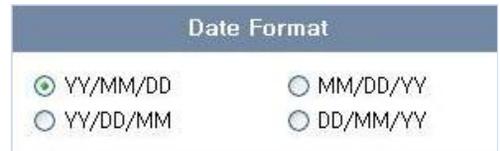
Input name of hospital. (Fig. 25).



< Fig. 25 >

② Date format

Select from 4 formats for year, month and day. (Fig. 26)



< Fig. 26 >

③ Time format

Select either a 12-hour (AM/PM) or 24-hour format. (Fig. 27)



< Fig. 27 >

④ Automatic printing

Select either "Yes" or "No". (Fig. 28)

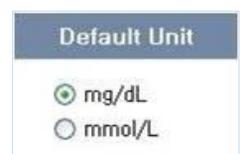
Note: If choosing "On" for Auto-printing and click "Power button", all data's will be saved to the computer and printed out automatically.



< Fig. 28 >

⑤ Basic unit

Select either mg/dL or mmol/L as the basic unit. (Fig. 29)

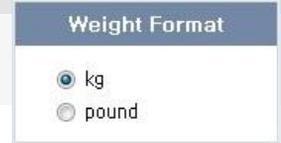


< Fig. 29 >

# Settings

⑥ Weight format

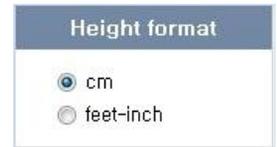
Select either “kg” or “pound”. (Fig. 30).



< Fig. 30 >

⑦ Height format

Select either “cm” or “feet-inch”. (Fig. 31).



< Fig. 31 >

⑧ Language

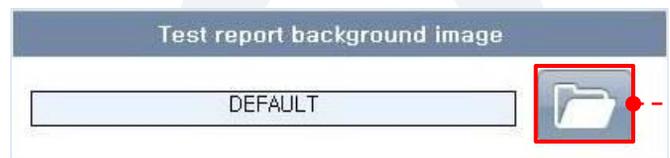
Click the icon and select your language from the list. (Fig. 32)



< Fig. 32 >

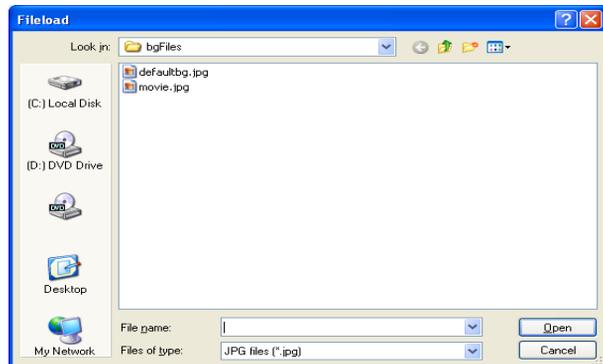
⑨ Background image for results report

Select a background image. (Fig. 33)



< Fig. 33 >

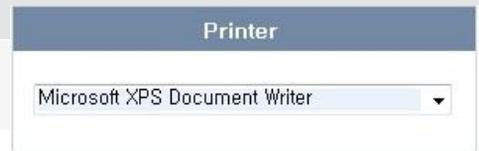
Click the  icon to load a file.



# Settings

⑩ Printer

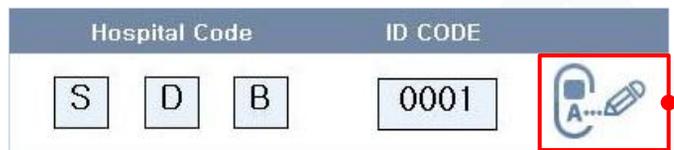
Click the icon and select your printer from the list. (Fig. 34)



<Fig. 34>

⑪ Hospital code · ID code

You can set the ID code to separate multiple users who use the software.



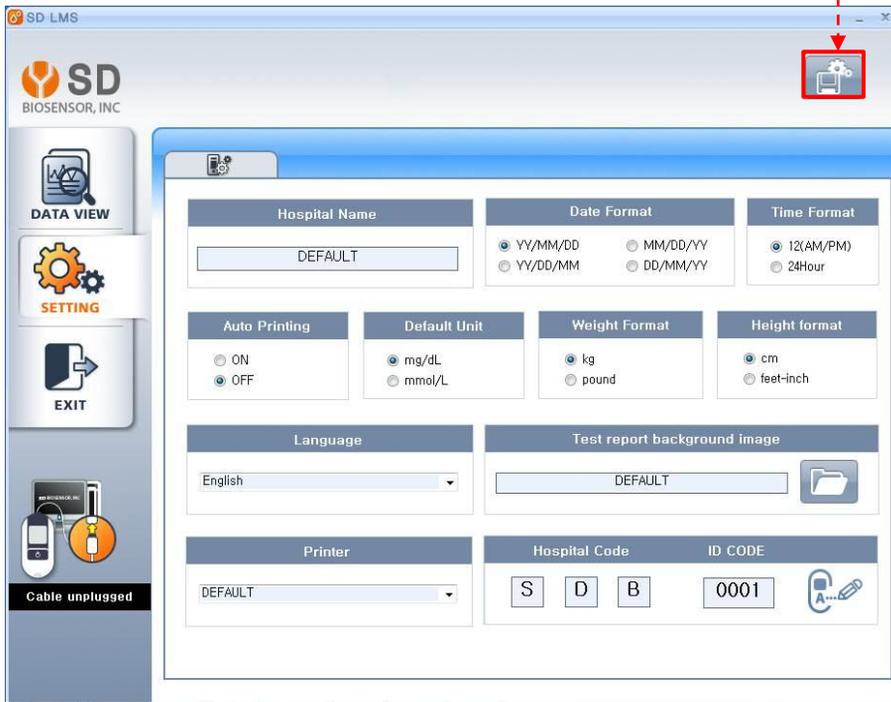
<Fig. 35>

Click the  icon to change the analyzer's hospital code and ID code.



# Settings

- ⑫ Save user settings.  
Change and save the above settings. (Fig. 36)



<Fig. 36>



# SD LipidoCare Analyzer System