

# Software\_Manual\_WBC\_Differential\_Counter

## User Manual

After you start WBC\_Counter\_Windows.exe the program looks as in Figure 1 which is the main menu. To start counting by the keyboard of the computer you enter '1' and then 'Enter' to open Counting Table as shown in Figure 2. In order to work with the program you need to set keyboard language to English.

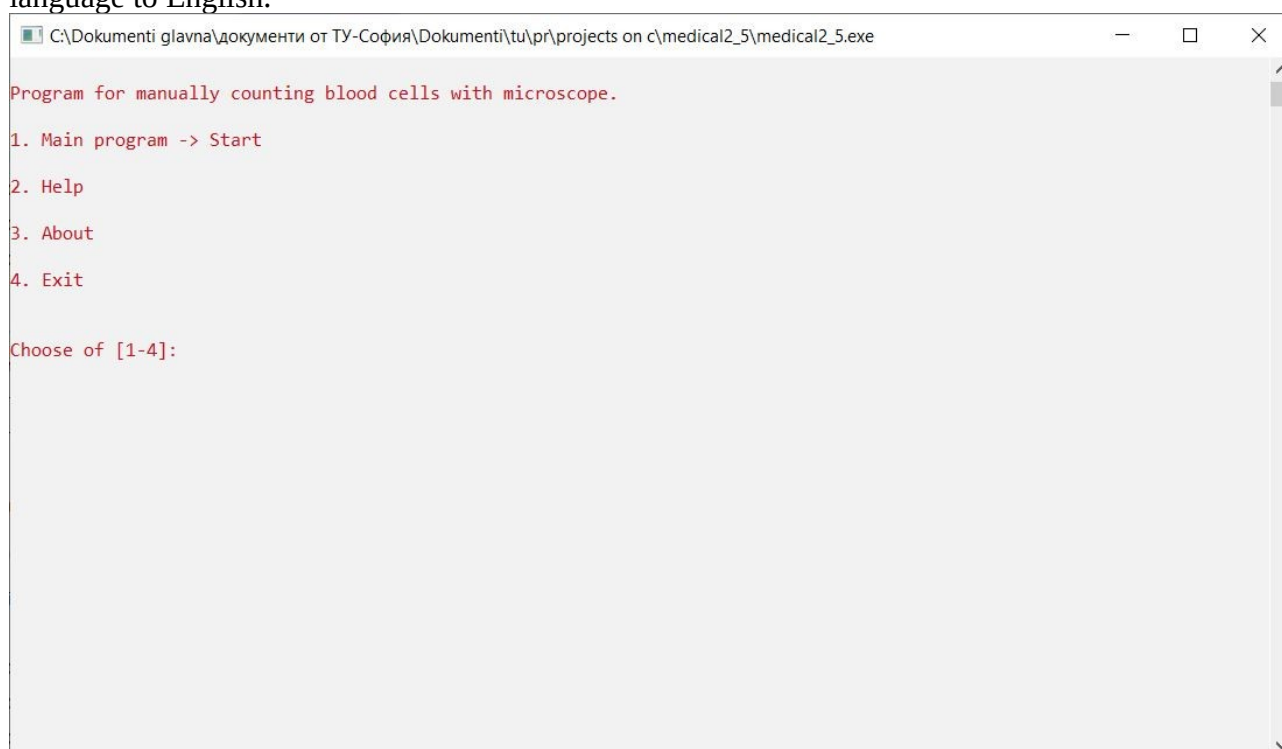


Figure1. Main Menu.

After opening Counting Table you will be able to start counting. To count with column BASO. press button 'C', to count with column EOSIN. press button 'V', to count with column MYELO. press button 'B', to count with column JUVEN. press button 'N', to count with column STAB. press button 'M', to count with column SEG. press button '<', to count with column LYMPH. press button '>', to count with column MONO. press button '?'. During counting special functions are: press '0' to set counter to zero, press '7' to save the current result to a .txt file, press '9' to exit the program.

If you want to access Help while in main menu press '2' and 'Enter'. If you want to access About while in main menu press '3' and 'Enter'. If you want to exit while in main menu press '4' and 'Enter'.

Other features include calculating percentage for every column, notification sound when reaching total count of 50 blood cells, notification sound and automatic save of the result when you reach 100 blood cells.

If you have problems starting the program and it is blocked by Windows Defender you can allow it as shown in Figure 5.

BASO. 00000000	EOSIN. 00000000	MYELO. 00000000	JUVEN. 00000000	STAB. 00000000	SEG. 00000000	LYMPH. 00000000	MONO. 00000000	TOTAL 00000000
00000000%  C	00000000%  V	00000000%  B	00000000%  N	00000000%  M	00000000%  <	00000000%  >	00000000%  ?	

Figure 2. Counting Table.

Program for counting blood cells with microscope.  
Counting is done manually by the keyboard of the computer.  
The sample count table looks like this:

BASO. 00000000	EOSIN. 00000000	MYELO. 00000000	JUVEN. 00000000	STAB. 00000000	SEG. 00000000	LYMPH. 00000000	MONO. 00000000	TOTAL 00000000
00000000%  C	00000000%  V	00000000%  B	00000000%  N	00000000%  M	00000000%  <	00000000%  >	00000000%  ?	

For column BASO. press button C; For column EOSIN. press button V; For column MYELO. press button B  
For column JUVEN. press button N; For column STAB. press button M; For column SEG. press button <  
For column LYMPH. press button >; For column MONO. press button ?  
| ! | In order to operate with the program the keyboard language must be set to English.  
Special commands are: Button 0 -> Set counter to zero; Button 7 -> Save; Button 9 -> Exit  
Press any key to continue . . .

Figure 3. Help

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C:\Dokumenti glavna\документи от ТУ-София\Dokumenti\tu\pr\projects on c\medical2_5\medical2_5.exe

:BBBBBBBBBBBB
.BBgRgMgMgRQB
.BQgDMgMgggBB
.BBDMgMgMDgQB
BQMgggMDMgBB
BQMDMgggDRQB
qPIS25I5252uIBgMgMDMgDQB2j5ISI5IS25b5
BQBBBBBBBBBBBBMMgMggggMgQBBBBBBQB888888
BBMQgQgQgRMgMgMDgMgMgggMgQMRMRMRMQQQ
BQMDgDgDggggMgggggDgDMgMDMgMgMggDggBg
BBgMgMgDgDgDgggDggMgMgggMgggggDgDMBR
BBQMgQgQMgMRgMgMggMDgMgMgRMQMRMRQMBR
:BBBBBBBBBBBB
.BBgRgMgMgRQB
.BQgDMgMgggBB
.BBDMgMgMDgQB
BQMgggMDMgBB
BQMDMgggDRQB

Program for counting blood cells with microscope. ver 1.4
Created by Stefan Voykov.
This program is open source.
This program uses license MIT license.
Web Page: https://sites.google.com/prod/view/wbccounterwindows/
Github Page: https://github.com/voikov/Software_Manual_WBC_Differential_Counter
Press any key to continue . . .
```

Figure 4. About

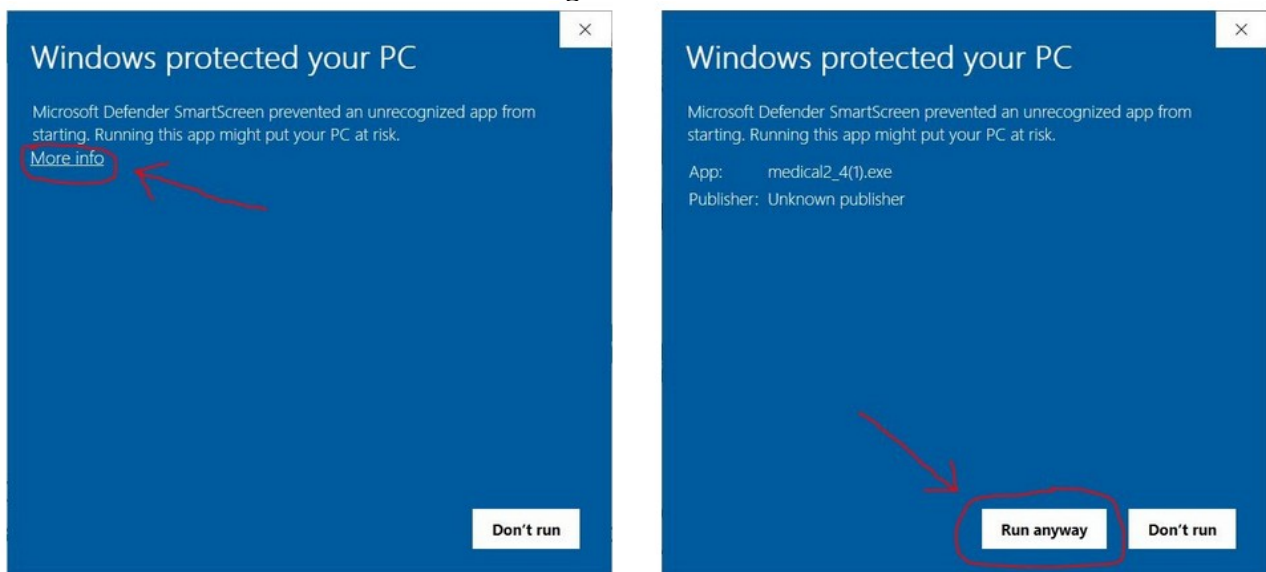


Figure 5. Windows Defender Message.