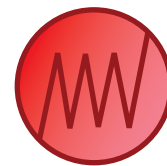


# NIBPchart



## Non-Invasive Blood Pressure

The NIBPchart software is an option of the Panlab Non-Invasive Blood Pressure (NIBP) system offering a straightforward way to ensure the traceability and validation of the data provided by the Panlab's NIBP units.

### 1. Data source

NIBPchart acquires data directly from the Panlab's NIBP control units using a connection based on USB communication.

However, any NIBP unit provided by analogical BNC output for pulse and cuff pressure can be used as source of signal.



### 2. Signal preview

Preview

The *Preview* function allows the user visualizing in real time in the screen the pulse and cuff pressure signals for checking whether the animal is ready for the measurement. Indeed, ensuring that the animal is unstressed and relaxed before measurement is a very important premise for obtaining reliable data.



NOT READY

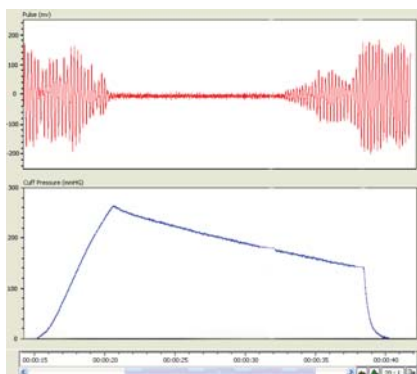


READY

### 3. Signal recording

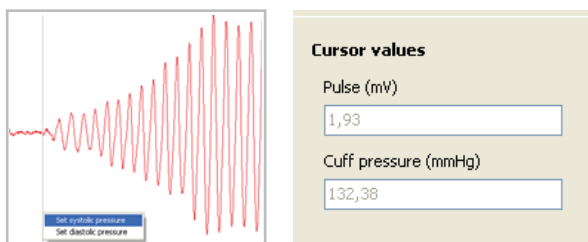
Rec

The *Rec* functions allows the user visualizing the pulse and cuff pressure signal during the measurement and storing it for further graphical interpretation.



### 4. Systolic and diastolic graphical determination

The values of the systolic and diastolic blood pressures can be determined graphically by browsing the registered signals with the cursor. A specific data panel automatically displays the values of the cuff pressure related to the cursor displacements. Marks indicating the value of the systolic and diastolic pressures can then be left on the signal by the user as memorandum.



#### Automatic Search

Systolic pressure  
132

Diastolic pressure  
114

Set pressure marks

A specific browser tool also allows the user entering the values read in the NIBP unit for an automatic positioning of the marks on the graph.

### 5. Image report exportation

Once the pressure marks are established, the graphical representation of the measurement can be exported to an image file in BMP format.

