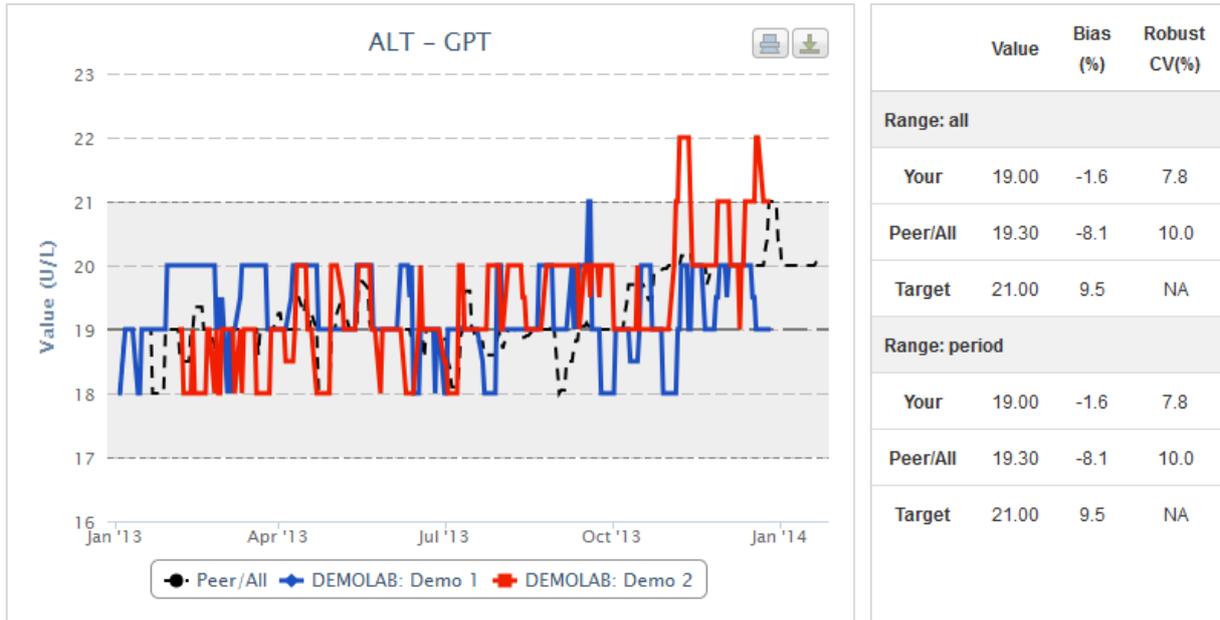# User Guide

The Percentiler

Content

Login
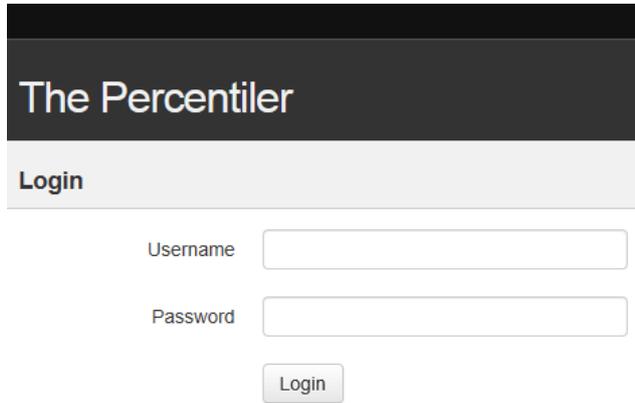
Use

Demonstration laboratory (Demo)

System requirements

Data safety

Login

Internet address: https://www.thepercentiler.be/

Username: not case sensitive

Password: case <u>sensitive</u>

For those who do not yet participate:

Username: DEMOLAB

Password: demo1234

Use

The "Quality" tab

Choose your lab (in the "Lab" box)

Only your own lab (or demolab) can be chosen

Choose the Peer Group (in the "Device model" box)

You can choose either your device or "All device models"

Device model

Cobas ⌄

Choose the device you wish to see for your lab (in the "Device" box)

Default: All devices of your lab are shown

Choose whether to "include weekends"

Default: No

Check either field and also press "Filter" to activate

Include weekend data

Yes

Filter

Choose the data "range"

Default: All

You can also select the range via "Start date", "Stop date" or via the buttons 3M (months), 6M, 1Y (year), and All

Choose *n* for the Moving median

Default: 5

Press buttons 5, 8, or 16

Choose the analyte

Press an analyte button

The chart will appear!
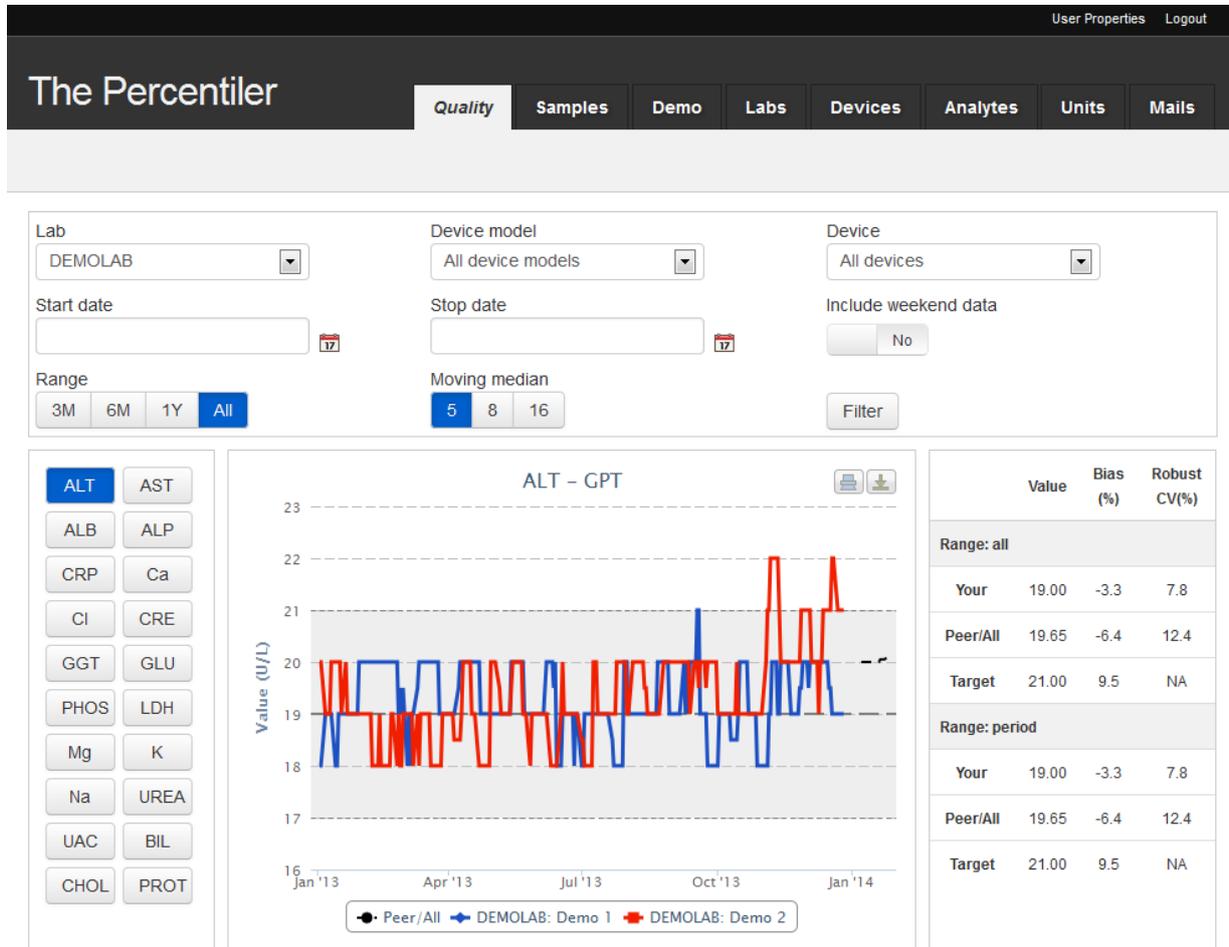
The Table will be filled!

Modify chart

Press the buttons "Range", "Moving median", "Analyte", as you wish.

Demonstration laboratory (Demo)

Note that the data for the demonstration laboratory is only available for the **year 2013**.

The Chart

The chart shows for the selected lab i) the moving median of the selected devices over the selected period (full colored lines); ii) the long-term median (long-broken grey line) and the limits for the respective analyte (short-broken grey lines; the area in-between is shaded); iii) the Peer Group moving median (black broken line).

Export

You can print and download the chart by pressing the respective buttons.

The Table

<u>Upper part</u>

Refers to the data of the complete period (<u>static</u> when the range is changed)

<u>Lower part</u>

Refers to data of the selected range (<u>dynamic</u> when the range is changed)

	Value	Bias (%)	Robust CV(%)
Range: all			
Your	19.00	-1.6	7.8
Peer/All	19.30	-8.1	10.0
Target	21.00	9.5	NA
Range: period			
Your	19.00	-1.6	7.8
Peer/All	19.30	-8.1	10.0
Target	21.00	9.5	NA

The table lists:

"Value"

-<u>Your</u> median

-The <u>Peer/All</u> median

-The <u>Target</u> (fixed value)

"Bias (%)"

-<u>Your</u> bias versus the Peer Group

-The bias of your <u>Peer/All</u> versus the target

-Proposed quality goal/<u>Target</u> for bias

"Robust CV (%)"

-<u>Your</u> Robust CV

-the Robust CV of your <u>Peer /All</u>

<u>Calculation of the robust CV</u>

Robust CV = 100 * (Median absolute difference * 1.4826)/(median)

The "Samples" tab

Press the tab; the corresponding window appears.

This window shows all entries in the database of **ONLY your lab**. Note, however, that your data are mapped to the "Percentiler" analyte names and units (not necessarily identical to the names and units given/used by yourself).

You can filter the data (for example, according to analyte, to select in the "Analyte" box, always followed by pressing the "Filter" button) and sort (▲ ▼) (e.g. according to date, value, etc…).

Data export

You can download the data, either completely or filtered.

The format is an EXCEL .csv file. You can easily save it as .xls or .xlsx file.

System requirements

Supported browsers:

Brand	Versions supported
Internet Explorer	6.0 +
Firefox	2.0 +
Chrome	1.0 +
Safari	4.0 +
Opera	9.0 +
iOS (Safari)	3.0 +

Minimum screen resolution

-1024*768

Data-safety

Features:

- Authentication: user and password based access to the application
- Authorization: access roles allowing only users with the appropriate set of permissions to access/use certain functionalities in the application
- Based on spring-security framework, the industry standard for java spring applications
- https security