



Training anvajo datalab

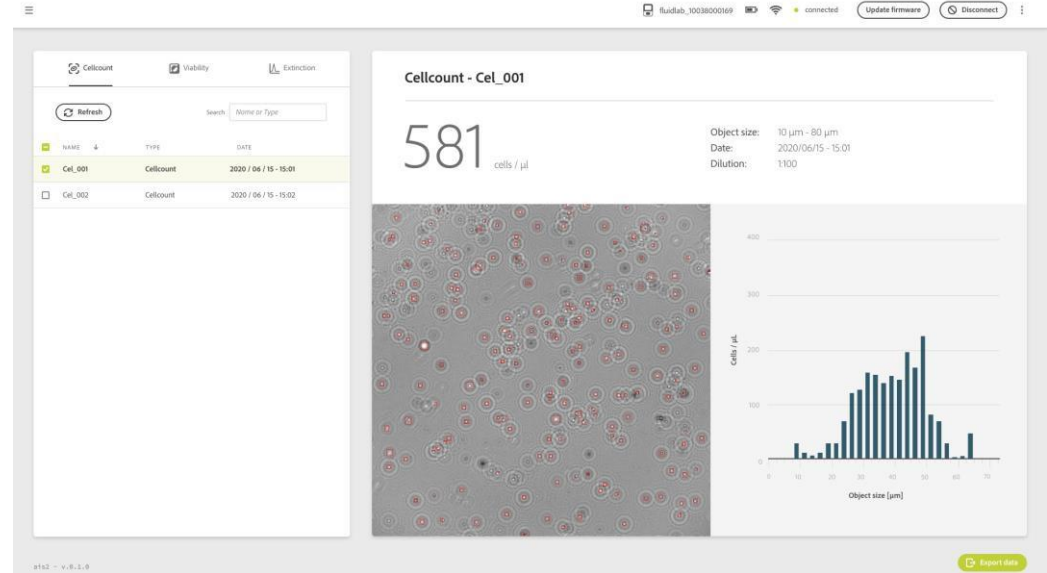
Overview anvajo datalab

Launch anvajo datalab (26.08.2020)

- Preview and export of all measurements from the fluidlab R-300

Spectrometer:

- full spectrum in Excel and png
- Cell Count & Viability
- All quantitative data in Excel
- Microscopic image (boxed & unboxed as png)
- Size distribution in histogram as png



Requirements:

- fluidlab R-300 with version 20.34.01
- PC with Windows 10

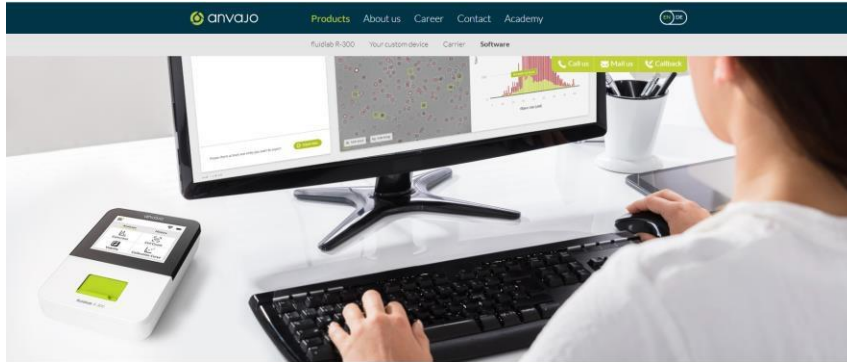
01

Downloading the anvajo
datalab



Downloading the anvajo datalab

- Download-Link at anvajo homepage



<https://anvajo.com/products/software>

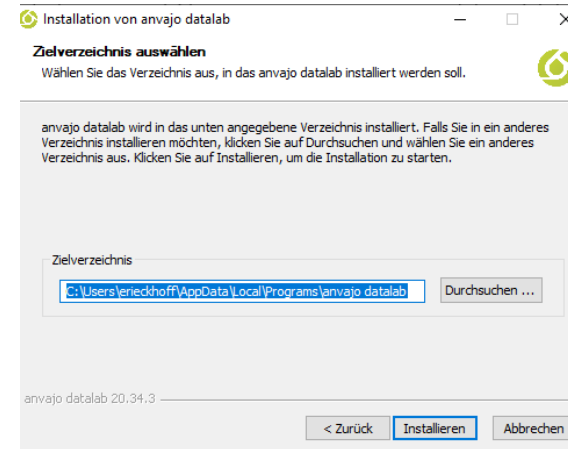
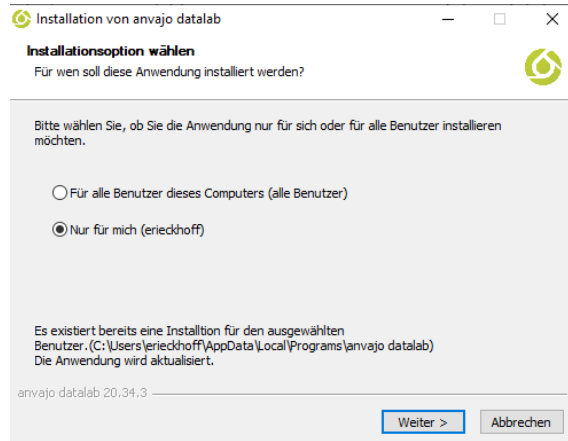
02

Installation of the anvajo
datalab



Installation of the anvajo datalab

- Execute installation-file and install programm at chosen folder



- Start the program by clicking on the icon

03

Connection anvajo
datalab <-> fluidlab



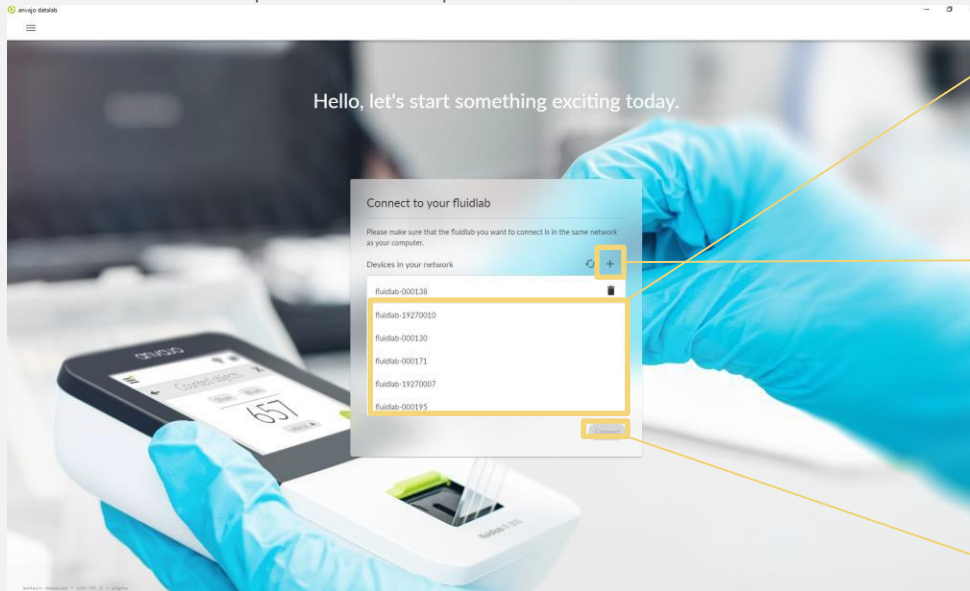
Connection anvajo **datalab** <-> fluidlab

Requirements:

- Computer and fluidlab have to be in the same network
 - Option A: Computer and fluidlab are in the same wifi network
 - Option B: Connecting computer via hotspot with the fluidlab

Select fluidlab in the wifi list of the computer.

When computer asks for password, click on „connection instead by using a network key“ and type in „fluidlab“



Autodiscovery

fluidlab is in same wifi network and can be found automatically by the computer

Manual connection

fluidlab can be connected manually by typing in the name or IP-address (e.g. fluidlab-000001)

Both can be found in the “systems” menu

Connect

04 | Preview mode



Preview mode

List of all measurements

Categorized by Cell Count, Viability and Extinction

Preview of single measurements

The screenshot displays the ANVAJO software interface. On the left, a sidebar titled 'anvajo datab' contains a list of measurements categorized by 'Cell Count', 'Viability', and 'Extinction'. The 'Cell Count' category is selected, showing a list of measurements with columns for 'Name' and 'Date'. The measurement 'Cel_ht1080 ctrl' is highlighted. At the bottom of the list, there is an 'Export' button. On the right, a detailed preview for 'Cel_ht1080 ctrl - Cell Count' is shown. It displays a large text result: 1.24×10^5 cells / ml. Below this, there is a microscopy image of cells with yellow circles highlighting individual cells. To the right of the image is a histogram showing the distribution of cell sizes. The histogram has 'Count' on the y-axis (0 to 10) and 'Cell size [µm]' on the x-axis (0 to 80). A vertical yellow line is drawn at approximately 70 µm. The interface also includes a search bar, a 'fluidlab-000138' label, and buttons for 'Update firmware' and 'Disconnect'.

Name	Date
<input type="checkbox"/> Cel_loverfull	2020-08-17 13:58:37
<input type="checkbox"/> Cel_001	2020-07-22 13:23:22
<input type="checkbox"/> Cel_ht1080 rst3	2020-06-19 09:57:17
<input checked="" type="checkbox"/> Cel_ht1080 ctrl	2020-06-19 09:54:43
<input type="checkbox"/> Cel_nec fer	2020-06-19 09:48:32
<input type="checkbox"/> Cel necrosis	2020-06-19 09:39:57
<input type="checkbox"/> Cel_ctrl	2020-06-19 09:25:06
<input type="checkbox"/> Cel_MCR5	2020-06-17 11:11:12
<input type="checkbox"/> Cel_MCR5	2020-06-17 11:11:12
<input type="checkbox"/> Cel_u87_01_001	2020-06-17 10:38:51
<input type="checkbox"/> Cel_u87_01	2020-06-17 10:31:57
<input type="checkbox"/> Cel_beads_001	2020-06-16 13:45:28
<input type="checkbox"/> Cel_beads	2020-06-16 13:38:22
<input type="checkbox"/> Cel_001	2020-06-10 11:16:23
<input type="checkbox"/> Cel_001	2020-06-10 11:10:19

Export button

05 |

Data Export



Data Export

Simultaneous export of measurements of same type (e.g. Cell Count)

Export - Cellcount (3 selected)

Data

Export cell count data as Microsoft Excel® file(s)

Export each measurement separately

Merge all measurements into a single file

Select

Microscope image

Export microscope image with boxes

Export microscope image without boxes

Select

Cell size distribution

Export cell size distribution as image

Select

Cancel Export

Export optionen:

- Save measurements as Excel-file (incl. histogram)
- Save holographic image (with and without boxes) as .png
- Save histogram as .png image

	A	B	C	D	E	F	G	
1	Name	Date	Device	Analysis type	Object size [µm]	Dilution	cells/ml	
2	Cel_006	2020-06-04 15:52:26	fluidlab-000138	cellcount	3 - 15	1: 1000	1,11E+10	
3	Cel_005	2020-06-04 15:49:13	fluidlab-000138	cellcount	3 - 15	1: 1000	1,02E+10	
4	Cel_004	2020-06-04 15:46:12	fluidlab-000138	cellcount	3 - 15	1: 300	5,27E+09	
5	Cel_003	2020-06-04 15:43:06	fluidlab-000138	cellcount	3 - 15	1: 300	5,05E+09	
6	Cel_002	2020-06-04 15:33:01	fluidlab-000138	cellcount	3 - 15	1: 1000	1,03E+10	
7	Cel_001	2020-06-04 15:14:24	fluidlab-000138	cellcount	3 - 15	1: 300	5,77E+09	
8								
9								
10								
11								

Cell count Histogram

THX! | FOR YOUR
ATTENTION



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