

TEST	Measuring range	Repeatability	Resolution	Testing time
Alcohol by volume	0.10 - 1.80 %	0.02	0.01 g/L	6 min
Polyphenols	TPI 10.0 - 140.0 O.D.	3.1	0.1	10 min
	TPI 1.0 - 15.0 O.D.	0.3	0.1	10 min
Sugars glucose, fructose, sucrose	4.0 - 100.0 g/L	0.7	0.1	12min
Acetic acid	0.05 - 1.20 g/L	0.06	0.01	6 min
Gluconic acid	0.10 - 3.00 g/L	0.04	0.01	6 min
	0.05 - 1.50 g/L	0.02	0.01	6 min
Total lactic acid	50 - 3500 ppm	36	1	11 min
Glycerol	50 - 800 mg/L	11	1	3 min
	700 - 5000 mg/L	100	1	3 min
Organic nitrogen	30 - 300 mg/L	15	1	4 min
Inorganic nitrogen	30 - 300 mg/L	11	1	4 min

Kombucha



Reagents are **pre-vialled**, in package of 10 tests, **1 year shelf life**, developed and produced by the research laboratories of CDR.



CDR KombuchaLab VER. 1.0 oel

THE SYSTEM

CDR KombuchaLab is composed of a thermostated analyzer based on **photometric technology** that uses **LED**, a kit with disposable pre-viald reagents with **low toxicity**, in package of 10 tests, 1 year shelf life, developed and produced by the research laboratories of CDR.



Just few steps are required to perform a test. The **HELP function** on the display will lead you step by step through the process.

REDUCED TESTING TIMES

With **CDR KombuchaLab** now it is possible to perform the analyses autonomously, easily and rapidly, without relying on dedicated external laboratories. It is possible to **analyze 16 samples at the same time** -with the **CDR KombuchaLab model**- and to monitor constantly the production process, obtaining in few minutes exact and accurate answers.

EASY TO USE

The system is designed to be used by anyone, without the support of skilled staff.

The analysis methods are easier than the traditional ones and can be performed in few steps:

- 1 Adding the sample volume to the pre-viald reagent.
- 2 Following the displayed instructions and if there is ever a doubt, the **HELP function** will lead you through the process.
- 3 Results are automatically calculated, displayed and printed.

RELIABLE

This measuring system owes its **sensitivity, accuracy and reliability** to the photometric technology based on LED luminous sources. The **results** of the analyses are **correlated with the reference methods**.



ccR KOMBUCHALab

Full panel of analyses

Display

5,7" TFT color LCD touchscreen

Connectivity

1 USB type B to transfer the database of the performed tests and update the configuration and software and PC connection

1 USB type A
1 Ethernet (LAN)
Bluetooth 4.0

Storage of results

Internal memory to store thousands of results of analyses in CSV and XML files, compatible with all database formats (e.g.:XLS, SQL)

Photometric module

6 different wavelengths in 4 reading cells

Incubation module

37°C thermostated block with 16 positions

Number of samples you can analyze at the same time

16

Multitasking mode (possibility to perform more analyses on the same sample)

Yes

Printer

Graphic printer on board 80 mm width

Dimension and weight

32 x 29,5 x 13 cm (W x D x H) 2,80 Kg

Power supply

24 V



ccR KOMBUCHALab Jr.

Tailored panel of analyses

Display

4,3" Wide TFT color LCD touchscreen

1 USB type B to transfer the database of the performed tests and update the configuration and software and PC connection

Bluetooth 2.1

Internal memory to store thousands of results of analyses in CSV and XML files, compatible with all database formats (e.g.:XLS, SQL)

6 different wavelengths in 4 reading cells

37°C thermostated block with 3 positions

3

No

No

15 x 22 x 8,3 cm (W x D x H) 0,80 Kg

24 V or lithium ion battery (optional)

CDR KombuchaLab Junior can be configured as you like.