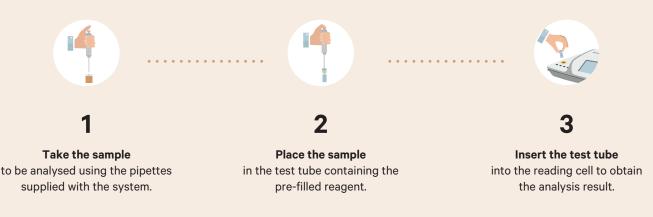
CDRKombuchaLab

Analysis system for kombucha quality control



CDR KombuchaLab system

CDR KombuchaLab consists of a thermostatically controlled analyser with photometric technology using LED emitters and kits of reagents that are pre-filled into vials and ready to use.





Reduced analysis times

With **CDR KombuchaLab** you are finally free to carry out the analyses independently, during the production process, quickly and easily, without having to rely on an external laboratory.

In fact, it is possible to analyse **16 samples simultaneously** and constantly monitor the production process, obtaining specific and precise answers in a few minutes.



Easy to use

The system has been designed so that it can be used not only in the laboratory, but also on the production line for real-time results, by personnel without specific technical training.

The analysis methods, shown on the display, are simpler than traditional methods and can be performed in just a few steps.

If required, the HELP function will guide the operator step by step through the procedure. The result is automatically calculated, displayed and printed out.



Reliable

CDR KombuchaLab guarantees high sensitivity, a wide measuring range and excellent repeatability of the results thanks to the innovative photometric technology using LED light sources and fixed wavelengths ranging from the ultraviolet to the visible spectrum (with a range of 0 to 6 optical density).

The analysis results are correlated with those of the reference methods.



Pre-filled and disposable reagents are packaged in bags of 10 tests, developed and produced by the CDR research laboratories.



CDRKombuchaLab

	TESTS	Measuring range	Resolution	Repeatability	Testing time
	Alcohol By Volume	0.10-1.80 % vol.	0.01 % vol.	0.02 % vol.	11 mins
		1.0-10.0 % vol.	0.1 % vol.	0.1 % vol.	11 mins
	Total polyphenols index O. D. 280 nm	1.0 – 140.0 O.D.	0.1 O.D.	3.1 O.D.	10 mins
	Acetic acid	0.05-1.20 g/L	0.01 g/L	0.06 g/L	6 mins
		1.0-15.0 g/L	0.1 g/L	0.3 g/L	6 mins
Icha	Sugars (glucose, fructose, sucrose)	4.0-100.0 g/L	0.1 g/L	0.7 g/L	11 mins
Kombucha	L-Malic acid	0.05-5.00 g/L	0.01 g/L	0.08 g/L	4 mins
¥	L-Lactic acid	50-3500 ppm	1 ppm	73 ppm	10 mins
	Glycerol	50-800 mg/L	1 mg/L	11 mg/L	3 mins
		700-5000 mg/L	1 mg/L	99 mg/L	3 mins
	Gluconic acid	0.05-3.00 g/L	0.01 g/L	0.04 g/L	4 mins
	Galacturonic acid	0.03-2.00 g/L	0.01 g/L	0.04 g/L	4 mins
	Yeast Assimilable Nitrogen (organic, inorganic)	30-300 mg/L	1 mg/L	15 mg/L	4 mins
	Total Acidity	1.0-8.0 g/L of tartaric acid	0.1 mg/L	0.1 mg/L	1 min

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CDRKombuchaLab Jr





Analyses				
	Complete analysis panel	Customisable configuration		
amples that can be analysed simultaneously				
	16	3		
Multitasking Mode				
	Yes	No		
Calibration				
	Pre-calibrated No periodic calibration is necessary	Pre-calibrated No periodic calibration is necessary		
Maintenance costs				
	No	No		
Storage of results				
	Sufficient internal memory for storing thousands of analysis results in CVS and XML files compatible with all database formats (e.g., XLS, SQL)	Sufficient internal memory for storing thousands of analysis results i CVS and XML files compatible with all database formats (e.g., XLS, SQL)		
Photometric module				
	Up to 6 wavelengths in 4 reading cells	Up to 6 wavelengths in 4 reading cells		
Incubation module				
	37 ° C thermostated block with 16 positions	37°C thermostated reading block with 3 positions with incubation function		
Connection with barcode	and QR code scanners			
	Yes, via Bluetooth	No		
Display				
	5.7" TFT colour LCD with touch screen	4.3" TFT colour LCD with touch screen		
Connectivity				
	1 USB port type B for transferring the performed analysis database, configuration and software update, PC connection 1 USB port type A for technical service and computer connection 1 Ethernet port (LAN) for connection to intranet Bluetooth 4.0	1 USB port type B for transferring the performed analysis database, configuration and software update, PC connection Bluetooth 2.1		
Printer				
FILLEF	80 mm wide printer with integrated graphics	Wireless connection for external printer		
	oo min wide printer with integrated graphics			
Dimensions and weight	22 20 5 12	15 + 22 + 22 24 + - D + - 1 + 2 + 22 + /		
	32 x 29.5 x 13 cm (W x D x H) 2.80 kg	15 x 22 x 8,3 cm (W x D x H) 0,80 Kg		
Power supply	AUV			
	24 V	24 V or optional lithium-ion battery		



rev 7.0 **CDRKombuchaLab**

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