

Total Service for Customer,
The Leading Partner of Bioscience Technologies



We are searching for pureness,
overcoming limitness

EXL[®]7
Lab Water System



01 Time & Date

Year/Month/Day/Hour/Minute/Day of the week

02 Tap water quality indicator (Conductivity, Temperature)

By monitoring the supply status of the tap water, it secures the safety to protect the equipment in case of a shortage.

03 The name & The life of filter

It shows filter use, history and details.

04 Start & Stop button Pure Water dispensing

05 Pure Water status indicator

Displays Conductivity, Temperature, Rejection rate (%)
System controlled operation has voice guidance and pop-up message whenever it is out of range set point under monitoring real time.

06 Tank level indicator

It is easy to check tank level displayed in real time.

07 Pure Water producing volume

08 Pure Water producing volume control button

User can produce off water as wanted. (0.1L ~ 99.9L)

09 Menu (System information indicator)

Displays Model, S/N, Software version, System alarm history, Setting.

10 Print out button

System can print out data.

(ex. Used & Available time of filter, Filter usage, Filter exchange history, Alarm history, Water quality)

11 Pre filter flushing button

12 Pure Water producing button

13 Pure Water producing indicator

Auto RO Flushing

It can flush RO filter automatically to control optimal filter quality before and after producing Pure Water.

History storage

Consumable exchange, Alarm, Set point

Data storage

Filter Information (Used & Available time, Total output), Alarm history, Consumable exchange history are saved in USB memory.

Software update

It is easy to be up to date software by USB memory anybody.

Remote control

Direct system control via internet network & technician's direct access.

POU (Point Of Use Gun) option

Built in quantitative sampling function to produce off Pure Water as much as user wants. (0.1L ~ 99.9L units)



EXL[®]7

We are searching for pureness, overcoming limitness

Vivagen Co., Ltd. developed EXL[®]7 Lab Water System which consists of experts who have more than 10 years of experience in R&D. We are sure our expertise and technical know-how help customers solve their complex problems and achieve their goals.



Fast Flow Rate

Pure Water is up to 16L(32L)/hour

Touch screen (7") & Voice guidance

For ease of use, the system is installed touch screen, the Setting of voice and Pop-up message guidance.

Built-In 20L Pressurized Tank

While open tanks from other companies have the risk of contamination by air, EXL[®]7 uses pressurized tank which can perfectly block external contamination. Beyond basic inner tank, you can have option available outer tank 20L, 30L, 70L without additional sensor, the height of tank.

Leakage detector installed by default

A leakage detector is installed by default, which issues alarming sound and message if water leakage occurs to ensure user safety.

Touch screen monitor

- System information ● The life of filter ● Tap water quality indicator
- The status of Pure Water dispensing ● Pump monitor ● Pure Water producing volume
- Total amount ● Print out ● Simple installation & initial setting guide ● Auto Flushing ● Record history
- USB port ● Software upgrade ● Tank level indicator ● Remote control



EXL® 7 Pure

ASTM Type III Grade

• Autoclaves • Lab glassware washers • Feed water for ultrapure water systems

EXL® 7 Lab Water System Pure Water Quality

RO Module Rejection Rates									
Series	Resistivity (at 25°C)	Conductivity (at 25°C)	Monovalent Ions	Polyvalent Ions	Particles	Microorganisms	Dissolved Organics (>300MW)	Product Flow Rate (±20% at 25°C)	Maximum Recovery Rate*
	MΩxcm	µS/cm	%	%	%	%	%	l/h	%
EXL®7 Pure		< 20	Up to 98	Up to 98	>99	>99	>99	Up to 16 / 32	Approx. 50

* Depends on feed water quality and temperature.

Feed Water Quality

*Exclusively potable water according to the drinking water regulations of the USA, the European Union, Korea or Japan.

Temperature	Conductivity (at 25°C)	TDS	TOC	Max. Permanent Hardness (max. CaCO ₃)	Free chlorine	Iron (Total Fe Content)	Fouling Index	Turbidity	pH Value	Input Pressure
°C	µS/cm	ppm	ppb	ppm	ppm	ppm	SDI	NTU		
2 – 30	< 500	< 250	< 2000	360	3	< 0.1	< 5	< 1	4 – 10	0.5 – 6.9 bar, Recommended > 2 bar

Specifications

	EXL®7 Pure
Power	220~240VAC/ 50/60Hz (100W)
System Weight	37kg
System Dimension	375 (W) X 600 (D) X 600 (H) mm
Packing Dimension	500 (W) X 700 (D) X 800 (H)mm
Operation Temperature & Humidity Range	2~35 °C / Under 80% Relative Humidity
Storage Temperature & Humidity Range	5~35 °C / Under 80% Relative Humidity

Founded in 2003, Vivagen Co., Ltd. is the company which consists of experts who have more than 10 years of experience in sales, marketing and R&D.

Our products consist of self-developed Pure & Ultrapure integrated water system (EXL® Series), Gas control module for cell culture (EXL® Navigator), Transfection Reagent (VivaMagic), Taq Polymerase and Marker. The patent of Lab Water System is registered with Korean Intellectual Property Office in Oct. 2010. In 2016, we released new product, EXL®7.

Vivagen Co., Ltd. provides differentiated services to customers in various experiments such as filtration, purification, concentration, incubation and analysis.

We are sure our expertise and technical know-how help customers solve their complex problems and achieve their goals.



Ordering Information

Order No.	Description	Type
System		
EXL®7 Pure 16	EXL®7 Pure 16 Pure Water System & 20L Tank	III Grade
EXL®7 Pure 32	EXL®7 Pure 32 Pure Water System & 20L Tank	III Grade
Option		
LM-VAL	IQ/OQ Validation EXL®7 Pure or Ultra Pure	
LM-EXL-Printer	Printer for EXL5&7	
LM-EXL-POU	Piont of use gun Pure or Ultra Pure for EXL5&7	
LM-20Tank	20L Pressure Tank	
LM-30Tank	30L Pressure Tank	
LM-70Tank	70L Pressure Tank	
Consumables		
LM-EXL7-PC	Pre Carbon Filter for EXL7 (4ea/pk)	
LM-EXL7-RO	RO Membrane for EXL7	
LM-EXL7-1M	1um Pre filter for EXL7 (4ea/pk)	
LM-EXL7-5M	5um Pre filter for EXL7 (4ea/pk)	



Suite 618, Seongnam Woorim Lions Valley I, 27, Dunchon-daero 457beon-gil, Jungwon-gu, Seongnam-si, Gyeonggi-do, Republic of Korea, 13219
Tel) +82-31-737-2080 Fax) +82-31-737-2083 / Visit us at www.VIVAGEN.co.kr
E-mail : vivagen@vivagen.co.kr / Shopping Mall: www.vgmall.co.kr

2018 VIVAGEN All right reserved. This product or document is protected by copyright and distributed under licenses restricting its use, copying, distribution, and decompilation. No part of this product or document may be reproduced in any form by any means without prior written authorization of VIVAGEN and its licensors, if any. Products shown on this catalog are subject to change without any prior notice.