

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 UV lamp light on/off

The real-time operation status of the UV lamp maintains optimum condition.

03 The name & The life of filter

It shows filter use, history and details.

04 Start & Stop button Ultrapure Water dispensing

05 Ultrapure Water status indicator

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

06 Ultrapure Water producing volume

07 Ultrapure Water producing volume control button

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

08 Menu (System information indicator)

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

09 Print out button

System can print out data.
(ex. Used & Available time of filter, Filter usage, Filter exchange history, Alarm history, Water quality)

10 Ultrapure Water producing button

11 Ultrapure Water producing indicator

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.

TOC (Option)

Displays TOC value of Ultrapure Water and a message pops up on screen when it is out of set point.

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

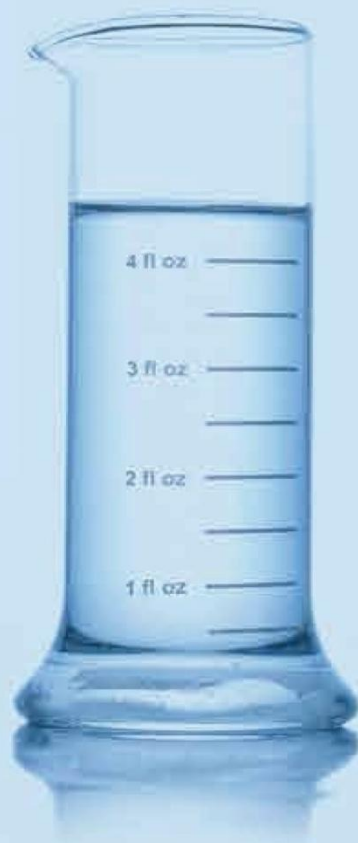
Built in quantitative sampling function to produce off Ultrapure Water as much as user wants. (0.1L ~ 99.9L units)



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

up to 120 L/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.

High Capacity DI Cartridge

It uses the filter with excellent processing capacity, which can assure best water quality.

UV Lamp & Leakage detector installed by default

EXL[®]7 has a UV lamp installed by default, which can produce Ultrapure Water with extremely low level of organic substances.

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 ● UV lamp indicator ● Ultrapure Water producing volume
- The status of Ultrapure Water dispensing ● Pump monitor ● Auto Flushing ● Record history
- Total amount ● Print out ● Simple installation & initial setting guide ● Remote control
- USB port ● TOC(Optional) ● Software upgrade

Foot switch (Option)

The system provides foot switch against busy two hands.





EXL®7 UBio

ASTM Type I Grade

- Ultra-trace and trace-organic and organic analysis • HPLC • GC-MS • ICP-MS • TOC analysis • Molecular biology • PCR • DNA sequencing • Cell culture • Media preparation • Microbiology
- Ion chromatography • Solid phase extraction • Electrochemistry • In-vitro fertilization • Electrophoresis • Monoclonal antibody production

EXL®7 Lab Water System Ultrapure Water Quality

Ultrapure								
Series	Resistivity (at 25°C)	•TOC	**Bacteria	***Endotoxin	**RNases (RNase-free)	**DNases (DNase-free)	Particles (@0.2µs)	Flow Rate
	MΩcm	ppb	CFU/mL	EU/mL	pg/mL	pg/mL	/ml	(l/min)
EXL®7 UBio	18.2	<5	<0.01	<0.001	<1	<5	<1	Up to 2

* TOC specs - Test Conditions: EXL®System equipped with DI cartridge, feedwater produced by EXL® Pure Plus system with resistivity > 1 MΩ.cm at 25 °C. TOC < 30 ppb.
Product water quality may vary due to local feed water conditions.

** Results with 0.2 Final Filter.

*** Results with Ultra Filter polisher in place.

Feed Water Quality

Temperature	Conductivity (at 25°C)	TDS	TOC	Input Pressure	VIVAGEN Pure Water System Pure, Pure Plus or Distilled, RO water
°C	µS/cm	ppm	ppb		Recommended
2 – 30	< 100	< 50	< 50	0.5 – 6.9 bar, Recommended > 2 bar	

Specifications

	EXL®7 UBio
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 UBio	EXL®7 UBio Ultrapure Water System(w/UV lamp)	I Grade
Option		
LM-VAL	IQ/OQ Validation EXL®7 Pure or Ultra Pure	
LM-EXL7-ITOC	Inline TOC for EXL 7	
LM-EXL-Printer	Printer for EXL5&7	
LM-EXL-POU	Piont of use gun Pure or Ultra Pure for EXL5&7	
LM-EXL-FW	Foot Switch EXL5&7	
Consumables		
LM-EXL7-DI	DI Cartridge#1 & #2 for EXL7 (each 2ea/pk)	
LM-EXL-UV	UV Lamp for EXL3&5&7	
LM-EXL7-UF	UF Membrane for EXL7	
LM-FINAL	0.2u Final filter for EXL3&5&7	



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.