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# INSTRUMENT STANDARD OPERATING PROCEDURE MANUAL

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College of Medicine



SAFETY AND LABORATORY COOMMITTEE, C.O.M, K.F.U.

**Prepared by**

Document Number	Name	Signature	Date
CM 001	MR. HUSAIN AL NWAISER MR. ALI AL THANI		21.4.2021
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R0	Dean:  Department:		

**Document History**

Document Section	Details of Amendments	Date	Modified by (Initials)
SOP	First Draft on SOP for the operation of Elix 3\5\10 Water Purification Systems	21.4.2021	

## 1. OBJECTIVE

- ☐ The following document describes the procedure of Elix 3\5\10 Water Purification Systems).
- ☐ **For Integral Water Purification for Ultrapure Water (optimized water purification ).**
- ☐ **The RiOs Essential is a water system designed to produce type III water. The Elix Essential is a water system designed to produce type II water. be stored in a reservoir**
- ☐ Pure water is produced from tap and delivered through the E-POD® (Elix®-Point-Of-Delivery) remote dispenser.).
- ☐ Feed water pressure 2 .0bar (30psi) at 120 L/H
- ☐ **Feed water temperature > 35°C.**

## 2. SCOPE

## 3. RESPONSIBILITIES

- ☐ It is the responsibility of designated personnel in Research lab to train staff and students on this procedure and to ensure adherence to this procedure under supervision.
- ☐ It is the responsibility of designated personnel (staff or Student) to follow the instructions of this procedure under supervision.
- ☐ Routine in R & D laboratories of the pharmaceutical and biotechnical industry.

## 4. REFERENCES

- ☐ Elix Water Purification Systems operating instructions manual

## 5. DEFINITIONS

- ☐ System name and type
- ☐ Electrical connections
- ☐ Display and keypad
- ☐ System's hydraulic connections
- ☐ Progard® Pretreatment Pack location
- ☐ System ID and serial number
- ☐ Locking handle
- ☐ External power supply
- ☐ Sanitization/cleaning

## 6. SAFETY PRECAUTIONS

- ☐ Do power off the system more than 7 days!. If the system is shut off for a long service representative.
- ☐ Replace UV lamp 254 nm: the UV lamp is exhausted

## 7. PROCEDURE FOR OPERATING Elix Water Purification Systems

### 7.1. Turning on the instrument:

- ☐ Switch on the instrument (mains switch on ).
- ☐ After setup and installation

### 7.2. Software Operation.

### 7.3. Steps of the Procedure

- ☐ Switch start up /On
- ☐ Finally, the ultrapure water recirculates through a loop to the Q-POD (Quality-Point-Of-Delivery) dispenser, where an Application-Pak removes specific contaminants (bacteria, pyrogens, nucleases, proteases, VOCs, endocrine disruptors and organics )

### 7.4. Turning off the Instrument

- ☐ Switch the unit off and disconnect from the mains

### 7.5. Warning

**Write any the warning in BOLD and RED FONT.**

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