


|   |                                     |                 |                   |            |
|---|-------------------------------------|-----------------|-------------------|------------|
| <br>Discovery Labs | <b>STANDARD OPERATING PROCEDURE</b> |                 |                   |            |
|   | SOP No.:                            | SOP-QC-040-02   | Effective Date:   | 01.01.2017 |
|   | Supersedes:                         | SOP-QC-040-01   | Next Review Date: | 31.12.2019 |
|   | Department:                         | Quality Control | Page:             | 1 of 2     |
| <b>TITLE: OPERATION AND PERFORMANCE CHECK OF UV CHAMBER</b>   |                                     |                 |                   |            |

## 1.0 PURPOSE:

To describe the procedure for Operation and performance check of UV Chamber.

## 2.0 SCOPE:

The procedure applies to the UV Chamber in laboratory.

MAKE: Vision lab Equipments.

ID No: DIPL/QC/INS/UVC/002

## 3.0 RESPONSIBILITY:

3.1 Analyst-QC shall be responsible to follow this SOP.

3.2 Head-QC/Designee shall be responsible for ensuring implementation of this SOP.

3.3 Head-QA/Designee shall be responsible for monitoring overall compliance of this SOP.

## 4.0 DEFINITIONS:

Nil.

## 5.0 PROCEDURE:

### 5.1 OPERATION:

5.1.1 Ensure that the UV cabinet is clean

5.1.2 Connect the UV cabinet to the mains supply and switch on.

5.1.3 Open the door of the UV cabinet and place the dried developed TLC plate.

5.1.4 Close the door.

5.1.5 Select the desired wavelength (254 nm)

5.1.6 Change the desired wavelength by pressing the select switch located on the left side of the UV Cabinet


5.1.7 View through the viewing glass and identify the spots on the TLC plate.

5.1.8 Switch off the ON/OFF switch.

5.1.9 Open the UV lamp door and remove the TLC plate. Close the door.

### 5.2 PERFORMANCE CHECK

|                        | Prepared by | Reviewed by | Checked by |
|------------------------|-------------|-------------|------------|
| <b>Sign &amp; Date</b> |             |             |            |
| <b>Name</b>            |             |             |            |
| <b>Department</b>      |             |             |            |

|   |                                     |                 |                   |            |
|---|-------------------------------------|-----------------|-------------------|------------|
| <br>Discovery Labs | <b>STANDARD OPERATING PROCEDURE</b> |                 |                   |            |
|   | SOP No.:                            | SOP-QC-040-02   | Effective Date:   | 01.01.2017 |
|   | Supersedes:                         | SOP-QC-040-01   | Next Review Date: | 31.12.2019 |
|   | Department:                         | Quality Control | Page:             | 2 of 2     |
| <b>TITLE: OPERATION AND PERFORMANCE CHECK OF UV CHAMBER</b>   |                                     |                 |                   |            |

- 5.2.1 Weigh accurately about 40 mg of sodium Salicylate into a 100ml volumetric flask and Dissolve and make up to the mark with Ethanol.
- 5.2.2 Weigh accurately about 20mg of sodium Salicylate into a 100ml volumetric flask and Dissolve and make up to the mark with ethanol.
- 5.2.3 Spot 5micro liters of the above solution on a silica Gel TLC plate in a 5mm dia circle.
- 5.2.4 Dry the plate and observe the spot under 254nm lamp. The spot must be clearly visible.
- 5.2.5 Enter the results in “performance Check of UV cabinet’ as per format no. current version

### 5.3 Frequency of Check

- 5.3.1 Once in six month  $\pm 7$ days
- 5.3.2 Whenever the lamp is replaced

## 6.0 FORMATS / ANNEXURE(S):

| S.No | Details                         | Format No. (Current version) |
|------|---------------------------------|------------------------------|
| 1.   | Performance Check of UV Cabinet |                              |
| 2.   | Instrument Usage log Book       |                              |

## 7.0 CHANGE HISTORY:

| Revision No. | Effective Date | Details of Revision                 | Ref CCF No. |
|--------------|----------------|-------------------------------------|-------------|
| 00           |                | New SOP introduced                  | --          |
| 01           | 01.01.2017     | Modified as per current SOP format. |             |

|                        | Prepared by | Reviewed by | Checked by |
|------------------------|-------------|-------------|------------|
| <b>Sign &amp; Date</b> |             |             |            |
| <b>Name</b>            |             |             |            |
| <b>Department</b>      |             |             |            |