

# CURRENT

**Category:** General SOP for instruments in Genetics laboratory.

**Title:** Operating the Gel Documentation System in the Department of Clinical Pharmacology, K.E.M Hospital, Mumbai.

**SOP No.:** Post-PCR INS -02

**Date first effective:** 1<sup>st</sup> January 2025

**Review date:** 31<sup>st</sup> December 2025

Department of Clinical Pharmacology, 1<sup>st</sup> floor, New MS building Seth GS Medical College & KEM Hospital, Parel, Mumbai 400012.

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**Purpose:** This standard operating procedure (SOP) describes the method for operating the Gel documentation to view the DNA bands on gel.

**Scope:** This SOP is limited for operating the gel documentation system.

**Responsibilities:**

**Primary Responsibility:** Divya Bhere  
Lab technician

*Divya Bhere*  
30 Dec/2024

**Secondary Responsibility:** Dr. Sheetal Kudtarkar  
Project Scientist

*Sheetal Kudtarkar*  
30/12/24

**References:** BioDoc-It Parfocality Set Up Procedure Version 1.0 10/05/05



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**Detailed Instructions:**

**Important: This procedure should be carried out wearing sterile gloves**

1. Switch ON the main switch to start gel documentation system.
2. Switch ON the POWER key and wait till the system has been loaded.
3. Open the door and place gel over the base such that there is no bubble below the gel.
4. Switch ON the UV light.
5. Adjust the picture using zoom keys (“+ key” for Zoom In & “- key” for Zoom Out).
6. Open the window on the door to view orange colored DNA bands on gel under UV light, if necessary.
7. Press CAPTURE key followed by SAVE key to save picture of gel.
8. Switch OFF the UV light (Switch off the UV light only when “CF Off” command is displayed on the screen).
9. Remove gel and switch OFF the POWER key.
10. Switch OFF the main switch to switch off the gel documentation.

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## GEL DOCUMENTATION SYSTEM

