

Standard operating procedure of Gel Doc

Objective: This instruction explains how to use and maintenance devise.

Scope: For viewing PCR & RFLP results.

Responsibility: Laboratory assistance is responsible for the accuracy of the apparatus and should be reported to him/her in case of problems.

Materials and equipment: ---

Guidelines for use:

1. Load Electrophoresis gel on center of page, which is dark glass in the way wells are toward to inside of devise.
2. Close lid of devise then turn on related computer. Run “Intas GDS” application on desktop.
3. turn on devise white lamp in order to view gel position by computer screen. If gel position is crooked, turn off white lamp then open lid to fix gel position.
4. After being certitude(sure) about gel position, turn off white lamp then turn on UV lamp.
5. For improving image quality, click on + or – button to change devise light. As UV light can destroy nucleic acid, so it’s necessary to take image of gel before decrease of quality.
6. Two way is available for saving images. First, choose freeze option and then click save button in order to save image on related folder. Second way is to choose save button directly. On the freeze mode, in case of dissatisfaction of image quality, choose live button to view image again.
7. After finishing work, choose exit button so application would be closed. Then turn down computer.

Warning and safety precautions:

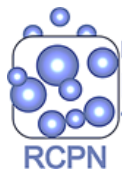
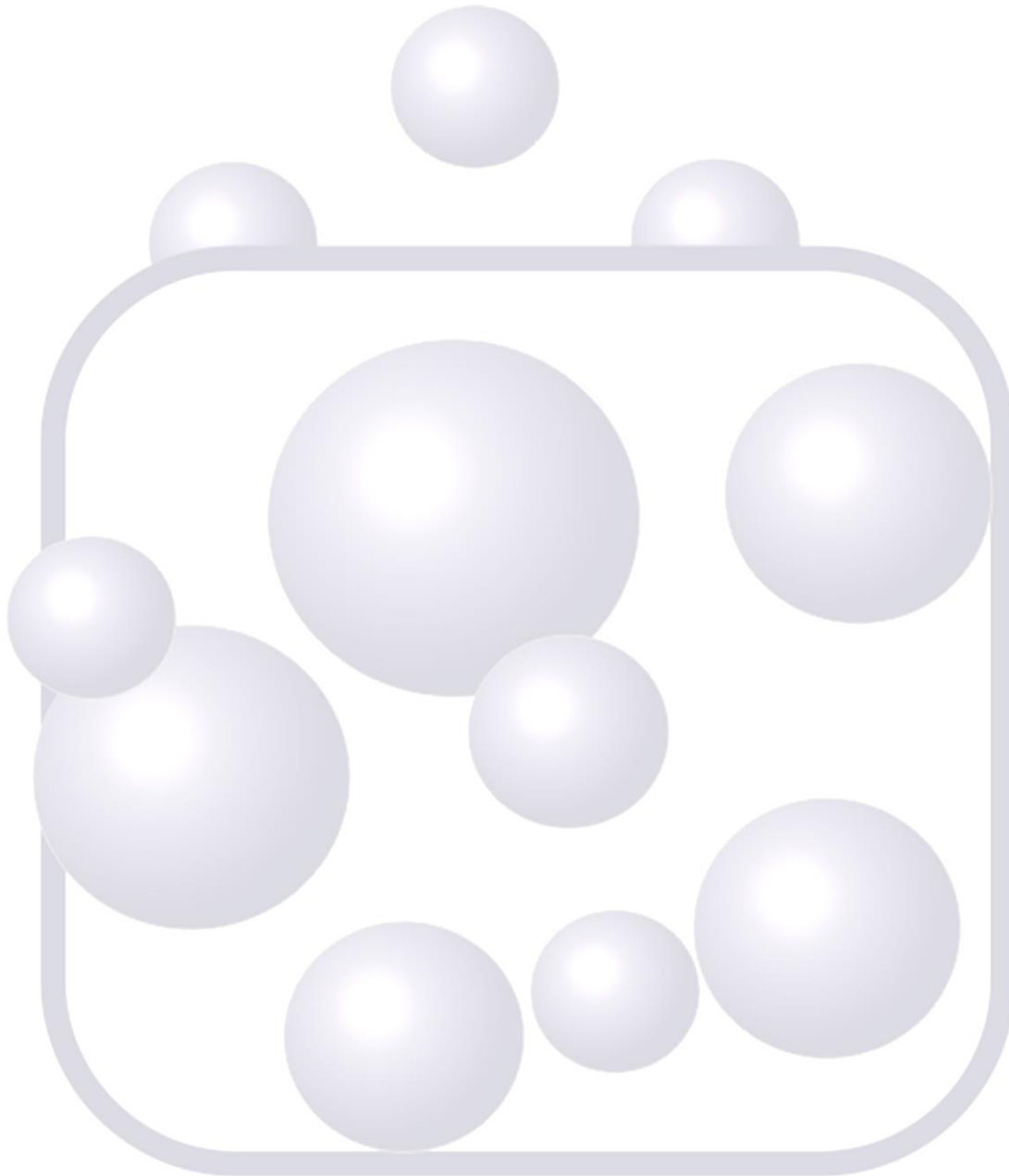
UV light is so dangerous(hazardous). When turning on devise, devise lid should be close. Electrophoresis gel should be throw away to specific garbage (trash bin).



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Maintenance:

After work is done, by tissue sheet or alcohol cotton clean glass part of devise completely.



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