

<b>Section L</b>	<b>Itek 430 Camera</b>	<b>Subsection 1</b>
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**Name of Procedure:**

Itek 430 Camera

**Suggested Uses:**

The Itek 430 is used to preserve latent impressions. This will allow the analyst to photograph, maintain and utilize these recorded impressions in examinations and comparisons to known standards. This camera will also assist in the dissemination of developed impressions to the appropriate agencies in a permanent manner.

**Equipment Needed to Perform Procedures:**

A - Itek 430 Camera

B - Appropriate Photographic Paper/Film

**Chemicals Needed For Preparation of Chemical Solution(s):**

Not Applicable

**Formula/Directions for Preparation of Chemical Solution(s):**

Not Applicable

**Processing Procedures for Application to Item(s) of Evidence:**

**Standard Photography:**

1. The item which contains a developed latent impressions should be placed in the center of the copy board with the glass cover closed to hold the item in the appropriate place. The copy board should be turned to face the camera lens in the upright position.
2. The camera is set to a ratio of 1:1 and normally the aperture will remain on F 22. The aperture should be checked to ensure it is on the appropriate setting.
3. When photographing an item of evidence various exposure times, apertures, papers and films may be utilized to properly record the developed images. If the initial photographs do not correctly record the developed impressions the exposure time and aperture setting may have to be adjusted.

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- a. Positive paper and film:
    - If photograph is too dark - Increase the exposure time and/or decrease the aperture.
    - If photograph is too light - Decrease the exposure time and/or increase the aperture.
  - b. Negative paper and film:
    - If photograph is too dark - Decrease the exposure time and/or increase the aperture.
    - If photograph is too light - Increase the exposure time and/or decrease the aperture.
4. The paper and film for the Itek 430 come in cartridges and the operator selects the length desired and the exposure time.
  5. Press the start button. This will activate the camera system which will measure out the length of paper selected and turn on the lights for exposure.
  6. Once the paper has been exposed, the camera will transport the paper through the processor.
  7. The finished copy will exit the camera on the right side.

**Photography of Negatives:**

1. Remove the copy board cover sheet and place the negative in the center of the copy board.
2. Set the camera in the back light position with the necessary times and exposure.
3. Follow the above listed procedures for standard photography.

**Note:** It may be necessary to adjust the f-stop and time setting to correctly photograph the impression.

**Enlargement of Impressions:**

1. Adjust the percentage setting on the camera display to the appropriate

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enlargement needed.

2. Follow the above listed procedures for standard photography.

**Note:** It may be necessary to adjust the f-stop and time setting to correctly photograph the impression.

**Reversing photographic images:**

1. Photograph the image with negative film using the standard photography procedures.
2. Once the film is completely dry, turn the film over and photograph the film following the Standard Photography procedures.

**Steps to Preserve Developed Impressions:**

Not Applicable

**Safety Concerns:**

Avoid looking directly into the camera lights during photography due to the intensity of the lights.

**Storage and Location of Chemicals and Solutions:**

Paper and film - Original shipping boxes or light sensitive envelopes

**Shelf Life:**

Paper and film - Indefinite

**Other Information:**

The Itek 430 camera offers numerous photographic techniques and the owner's manual should be consulted for specialized photography.