

## TECHNICAL INFORMATION

### IO-FUME™ Instant Vaporizer Catalog No. LPF1006



#### INTRODUCTION

The IO-FUME™ Instant Vaporizer utilizes the development properties of iodine eliminating the need for the criminal investigator to create heat. Latent prints will develop quicker and easier than ever before on paper, wood and cardboard (nonmetallic surfaces). This product is perfectly suited for use with any of SIRCHIE's fuming chambers, especially the new disposable fuming chamber combination (FA100), No. FR150 Insta-FumeTent™, as well as FR175A and FR175FG Shake-n-Fume™ disposable fuming chambers.

Iodine fumes react with fats and oils deposited by the fingertips and fuming is recommended when prints are thought to be reasonably fresh. Iodine fuming is nondestructive to latent prints, and if this method fails to produce visible prints, the technician may then proceed with other methods such as ninhydrin, DFO, physical developer or silver nitrate.

Latent fingerprints developed with iodine fumes are "fugitive". They will disappear shortly after development unless steps are taken to fix the print or to lift it. Use of No. DCA16 Iodine Print Enhancer will fix the prints as well as enhance weak ones. *NOTE: Photograph any prints that develop prior to using a fixative.*

#### PRECAUTIONS

- Before using this product, consult the appropriate Material Safety Data Sheets (MSDS) found on our website at [www.sirchie.com](http://www.sirchie.com) and click on MSDS.
- Iodine fumes are corrosive. Use with caution and with adequate ventilation.
- This iodine fuming method creates heat, large quantities of fumes and steam. Fully ventilate area or chamber before entering—DO NOT handle until cool.

#### PROCEDURE

1. Place jar containing activator solution into fuming chamber with items to be fumed.
2. Add a control to the chamber by placing test prints on a white backing card (No. LB0021). Break ampoule at score and empty Iodine Crystals onto the metal top of Activator Crystals Canister.
3. Place activator canister (hole side down) into jar containing activator solution and close chamber. Fumes should take place within 1 minute. *NOTE: Continual observation of fuming process is very important. Once latent prints have developed sufficiently, open chamber and remove items. Photograph immediately.*



Holding the ampoule between the forefinger and thumb of each hand, break ampoule at score.



Empty iodine crystals onto metal top of activator canister.



Empty iodine crystals onto metal top of activator canister.