

INSTRUCTIONS



Autoradiography Pen

Catalog Number 13350-0000



This pen incorporates a unique phosphorescent material that is non-toxic and non-radioactive. The carrier for the material is a wax-based rod that marks most substrates. To advance the writing tip, turn the knob at the top of the pen clockwise. To retract the tip, turn the knob counterclockwise and press the tip in.

The pen's mark emits a light of its own that will not glow visibly in the dark, but will show up on an X-ray film. Its spectral peak is 5600 Angstroms. The non-radioactive energy emitted by the mark must be activated by short

exposure to normal white light, either incandescent or fluorescent. A bright light is recommended.

NOTE: that the signal emission duration is not long, usually less than 3 minutes after the mark is exposed to normal undifferentiated white light, the brighter the better.

This means that the user should not delay in the process of exposing the X-ray film to the marked substrate.

Do not store at temperatures above 113°F (45°C).

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OTHER FINE SCIENCEWARE® PRODUCTS FOR YOUR LABORATORY X-Ray Cassette Security Bag



The Security Bag is intended to augment the light protection afforded by X-ray film cassettes which may leak light because of damage due to age, use or sudden shock. It aids in preventing some unpredictable variables that might affect results. Made of black nylon, the bag has a Hook-and-Loop sealing strip on its closing flap.

catalog no.	for cassettes	bag size
F13353-0000	15"x18"	17"x21"
F13353-0001	8"x10"	14"x11"
F13353-0002	5"x7"	9 1/2"x10 1/4"



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INSTRUCTIONS



High Energy Autoradiography Pen

Catalog No. 13351-0000

This pen incorporates a unique phosphorescent material that is non-toxic and non-radioactive. The carrier for the material is a wax-based rod that marks most substrates. To advance the writing tip, turn the knob at the top of the pen clockwise. To retract the tip, turn the knob counter-clockwise and press the tip against a firm surface.



The pen's mark emits a light of its own that will not glow visibly in the dark, but will show up on an X-ray film. Its spectral peak is 5600 Angstroms. The non-radioactive energy emitted by the mark must be activated by short exposure to normal white light, either incandescent or fluorescent. A bright light is recommended

Note that the signal emission duration is not long, usually less than 3 minutes after the mark is exposed to normal, undifferentiated white light, the brighter the better. This means that the user should not delay in the process of exposing the X-ray film to the marked substrate.

The High Energy Autoradiography Pen is recommended for marking X-ray films which are less responsive than Kodak XAR5 and similar films. It is also applicable in situations in which the techniques used tend to lower film responsiveness, especially with chilled films which often require intensifier screen techniques. The mark emits no Beta or other isotope emission, only visible light, therefore, the use of an intensifier screen will not occur as a variable in the X-ray marking procedure in so far as the marker is concerned.

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OTHER FINE SCIENCEWARE® PRODUCTS FOR YOUR LABORATORY

X-Ray Cassette Security Bag



The Security Bag is intended to augment the light protection afforded by X-ray film cassettes which may leak light because of damage due to age, use or sudden shock. It aids in preventing some unpredictable variables that might affect results. Made of black nylon, the bag has a Hook-and-Loop sealing strip on its closing flap.

catalog no.	for cassettes	bag size
F13353-0000	15"x18"	17"x21"
F13353-0001	8"x10"	14"x11"
F13353-0002	5"x7"	9 1/2"x10 1/4"



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