SIRCHIE
PRODUCTS ▪ VEHICLES ▪ TRAINING

TECHNICAL INFORMATION

megaMAXX™ Assistant

Catalog Nos. MMX200, MMX203

INTRODUCTION

Think of the megaMAXX™ Assistant as that third hand you need so often when examining physical evidence. This lightweight-but-sturdy device frees up both hands while you position and shoot close-ups of your latent print lifts and many other objects. Using megaMAXX™ technology and SIRCHIE ingenuity, the Assistant provides a sturdy platform for an oversized four-inch diameter, 2.5X magnifying lens. A built-in slot permits insertion of any of the three supplied acrylic barrier filters: Yellow, Orange and Red. The body of the MMX200 Assistant is fashioned from 1/4 inch acrylic stock and a socket that is machined from a solid block of Delrin® plastic which accepts any of the seven (7) MMX100 1-watt visible lights. The press-in socket has a built-in light diffuser that provides a soft, uniform beam of light—especially helpful for photography. The MMX203 Assistant has a press-in socket designed to accept any of the seven (7) MMX300 3-watt visible lights.

USAGE

Position the assistant over the evidence to be examined

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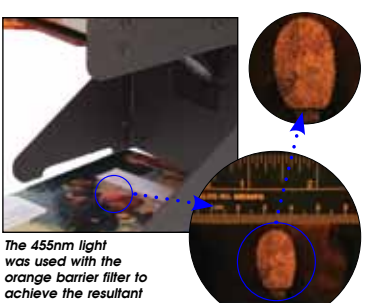
and insert the light with the frequency needed to produce the desired fluorescence. ***Note:*** *It is best to begin with the 455nm light and work up from there.* When using the lower light frequencies such as the 455nm light, use the Orange Barrier Filter. Slide the filter into the slot below the magnifying lens. Turn on the light and begin the examination.

If no fluorescence is seen with the orange filter, substitute the yellow filter, and then the red. If no fluorescence is seen, replace the 455nm light with the next higher valued light (470nm). Continue substituting lights and barrier filters until the desired fluorescence is achieved.

Viewable Items of Forensic Interest

Items of forensic interest that can be successfully detected, examined and compared with this megaMAXX™ combination (MMX200/MMX100 or MMX203/MMX300) include:

- *Physiological Fluids (urine, semen and saliva)*
- *Trance Evidence (hair, fibers, dust prints, etc.)*
- *Blood and Palmer Oils (enhanced with fluorescent powder, dyes, DFO and luminol)*
- *Cyanoacrylate Prints stained with Rhodamine 6G*



The 455nm light was used with the orange barrier filter to achieve the resultant photograph (right).

MAINTENANCE

No field maintenance of the unit is required. Remove exterior dust and dirt from the unit using a damp cloth. Do not use chemical solvents or cleaners as this may damage the surface and/or labels of the unit. The glass lens may be cleaned with standard household glass cleaners.