

Ir-192 HDR Quality Assurance

PermaDoc GC Phantom

Catalog # 0607

Compatible with:

VariSource® • GammaMed® • microSelectron®

For use with GAFCHROMIC® RTQA Film

ESTABLISH YOUR "PERMANENT HDR SOURCE POSITIONING & SOURCE STEPPING ACCURACY VERIFICATION IN SECONDS WITHOUT THE NEED OF A DARKROOM!



PERMADOC GC PHANTOM
Catalog # 0607-MS
microSelectron®
Patented

FOR MONTHLY / DAILY CONSTANCY CHECKS OF HDR SOURCE POSITIONING AND STEPPING ACCURACY UTILIZING GAFCHROMIC® RTQA FILM.



An ISO 13485 Certified Company

Mick Radio-Nuclear Instruments, Inc.

"The Brachytherapy Company"

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PermaDoc GC Phantom

Catalog # 0607 (VariSource® • GammaMed® • microSelectron®)

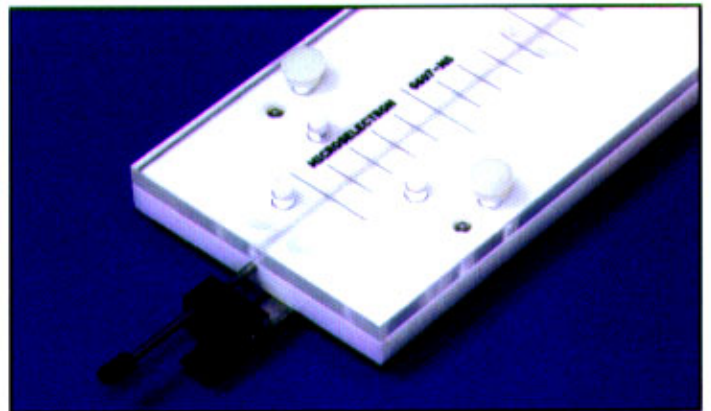
For use with GAFCHROMIC® RTQA Film

HDR Source Positioning must be Verified and Documented!

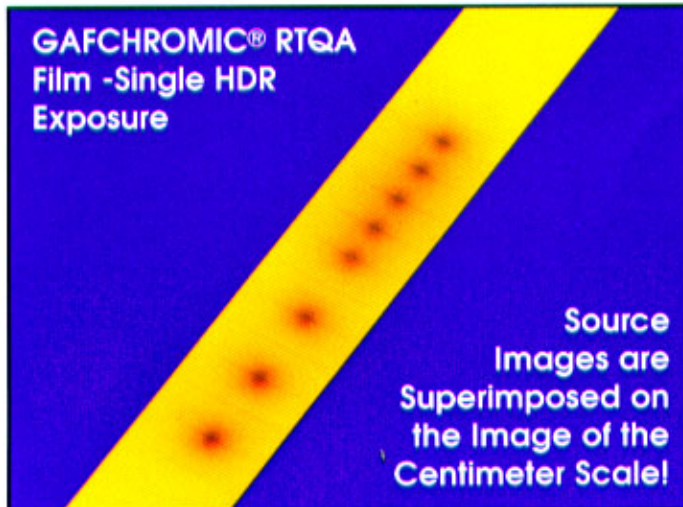
The Perma-Doc Phantom is designed to check source positioning and stepping accuracy of all popular HDR remote afterloading systems and provides a permanent record. The Perma-Doc Phantom has a centimeter scale, which is projected onto the GAFCHROMIC® RTQA film by fluorescent radiation, and readily locates, up to 20 source positions. The device consists of two plexi-glass plates stacked on top of each other with five locating pins and four knobs to ensure alignment. Four embedded ball plungers provide a space for easy insertion of the film. A 3mm-diameter groove is provided for the insertion of a straight tandem. A metric ruler is attached to the microSelectron® phantom below the tandem to assist in setting the tandem to the calibrated position. A thumbscrew is provided to keep the tandem securely in place.

Features:

- Verifies Source Positioning and Stepping Accuracy
- Images Centimeter Scale Directly on Film
- Requires Single Exposure Only
- Set-Up Accomplished in Seconds
- Eliminates All Guess-Work
- Small / Lightweight and Precision Built
- Compatible with all HDR Remote Afterloaders
- Fulfills Documentary QA Requirements
- GAFCHROMIC® RTQA Film is "Self-Developing"
- Eliminates the need of a Darkroom
- Film can be handled in Room Light
- Simple, Easy and Efficient QA Management



The PermaDoc GC HDR Phantom (BabyDoc) weighs 1.75 lbs.
Size: 4" x 13" x 1 5/8" (10.2 x 33 x 4.2cm) Tandem inserted
Please note: The PermaDoc GC Phantom can only be used with
GAFCHROMIC® RTQA Film Strips.



According to U.S. Regulatory Commission 10 CFR.35.633, source positioning accuracy on remote afterloading units is to be within +/- 1 millimeter. Additionally, it is highly recommendable to check source positioning accuracy daily or prior to HDR treatments. The test consists of 3 easy steps: insertion of GAFCHROMIC® RTQA film into PermaDoc Phantom, attachment of the source transfer tube to the PermaDoc Phantom and exposing the GAFCHROMIC® RTQA film. Due to the "self-developing" attribute of the film, the need for a visit to the darkroom is therefore eliminated.

**Indisputably the Most Essential
HDR Quality Assurance Tool!**

STANDARD PERMADOC PHANTOMS USABLE WITH 10" X 12" READY-PACK V-FILM:

CATALOG # 9404-VS	PERMA-DOC Q.A. PHANTOM (FOR USE WITH VARISOURCE HDR)
CATALOG # 9404-GM12i(t)	PERMA-DOC Q.A. PHANTOM (FOR USE WITH GAMMAMED12i(t) HDR)
CATALOG # 9404-GM Plus	PERMA-DOC Q.A. PHANTOM (FOR USE WITH GAMMAMED PLUS HDR)
CATALOG # 9404-MS	PERMA-DOC Q.A. PHANTOM (FOR USE WITH MICRO SELECTRON HDR)

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