

GAFCHROMIC[®] RTQA²

State-of-the-art processor-less film
for QA and commissioning of equipment
in the contemporary RT environment

QA+

Quality assurance *plus*:

- easy to use
- instant results
- size the film to your exact requirement and save!



Gafchromic® RTQA2

A high performance processor-less film for quality assurance

... exceptional accuracy with ease of use, and featuring outstanding cost effectiveness

Gafchromic® RTQA2 quality assurance film has been designed by leading radiochromic film scientists and provides state-of-the-art results in radiotherapy environments, while tapping all the exciting advantages of processor-less technology.

RTQA2 Technical Benefits:

- Developed specifically for:
 - light field alignment
 - radiation field alignment
 - precision star shots
 - position verification for HDR
 - autoradiography of implantable seeds, plaques and other sources
- Dynamic range from 0.02 Gy to 8 Gy
- Large measurement area
- Self develops in real time
 - and requires *no processing!*
- Near tissue-equivalent
- High spatial resolution
- **Can be handled in room light**
- Water resistant, water immersible (usable with water phantoms)
- Withstands temperatures up to 70° C
- **NEW!** Now with improved indoor lighting resistance

RTQA2 Economic Benefits:

- No processor required - *no darkroom!*
 - eliminates processing discrepancies
 - eliminates chemical waste
 - environmentally friendly
- Convenient to handle and easy to cut (cut and shape the film to your needs)
- Easily noted on with marker pen (notes easily erased if necessary)
- Economical and competitive pricing
- Available in three sizes (custom sizes also available)

OUTSTANDING PERFORMANCE

GAFCHROMIC® RTQA2 radiotherapy film is an excellent, hassle-free tool for the contemporary and *processor-less* environment. Just position . . . and shoot. With real-time self-developing, your results are available in seconds! No darkroom or chemicals are needed.

After exposure, if the light field is not aligned with the radiation field, the discrepancy is visible immediately. Simply adjust the field accordingly and move on. In most cases, a second exposure is not required.

Alignment can be achieved in an exceedingly short time. RTQA2 can even be observed through the monitor, and evaluated *while it develops! Saves time!*

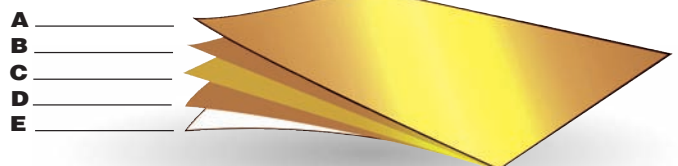
... and ... *saves money.* Less film is used for each alignment. Saves even more money because the film can be handled in room light, and can be easily cut to the exact size called for. Excellent for autoradiography of implantable seeds, plaques and other sources. A versatile time-saving and cost-efficient technology.

CONFIGURATION AND STRUCTURE OF GAFCHROMIC® RTQA2

Gafchromic® RTQA2 is made by laminating an active layer between two polyester layers. The polyester surface makes an exceptionally robust product and allows water immersion.

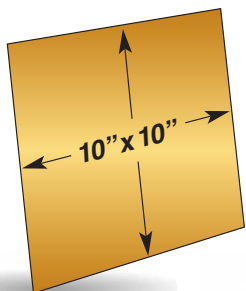
RTQA2 FILM FEATURES A PRECISION 5-LAYER LAMINATED COMPOSITION

A yellow polyester	97 microns	} Approximate thicknesses. Actual values may vary slightly.
B pressure sensitive adhesive..	12 microns	
C active layer.....	17 microns	
D surface layer	3 microns	
E white polyester	97 microns	



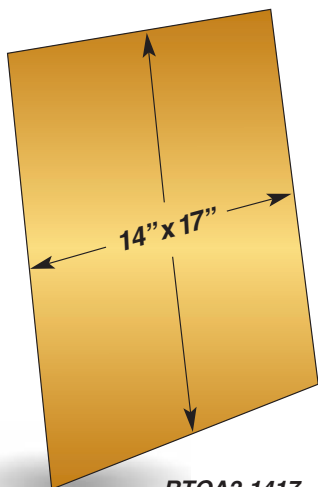
Available in three sizes

Plus, custom sizes are provided by special order.



RTQA2-1010 for routine light field alignment tests. (*RTQA2-1010P is pre-scaled)

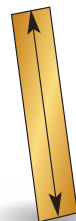
Packages of **25 sheets**



RTQA2-1417 for larger light field alignment tests

Packages of **10 sheets**

Order RTQA2 by product name:
RTQA2-1010
RTQA2-1010P*
RTQA2-1417
RTQA2-111
Custom (by request)



1.25" x 11"

RTQA2-111 for brachytherapy light source positioning

Packages of **25 strips**

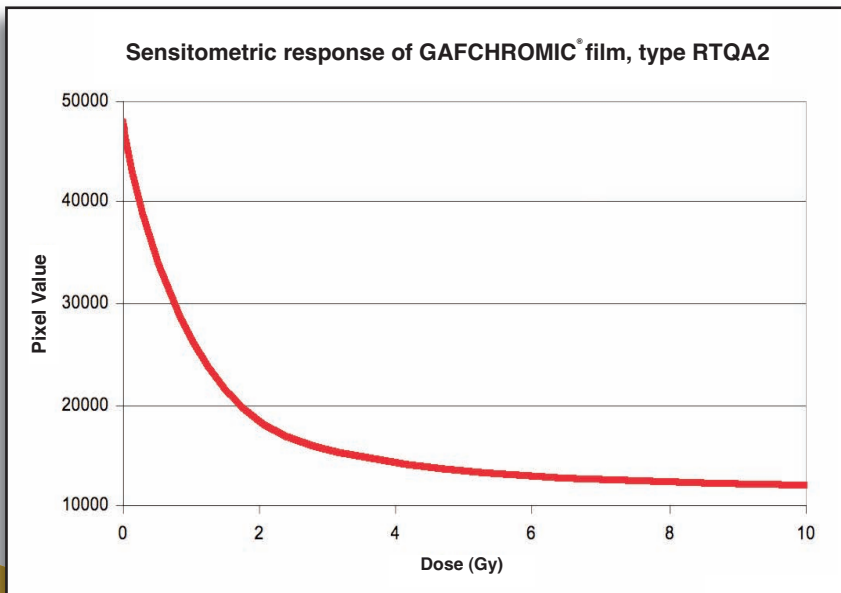
GAFCHROMIC® RTQA2 FOR HDR APPLICATIONS

GAFCHROMIC® RTQA2-111 strips (shown at left) are designed for HDR positioning verification. They are designed for use within a phantom, or taped directly under a catheter. RTQA2-111 strips provide excellent results when the catheter position is marked and then the autoradiographic image is checked against the marks. Key advantages of RTQA2-111 strips are their stability and alignment. They eliminate concerns about film movement inside a ready pack and thus increase the accuracy of measurement.

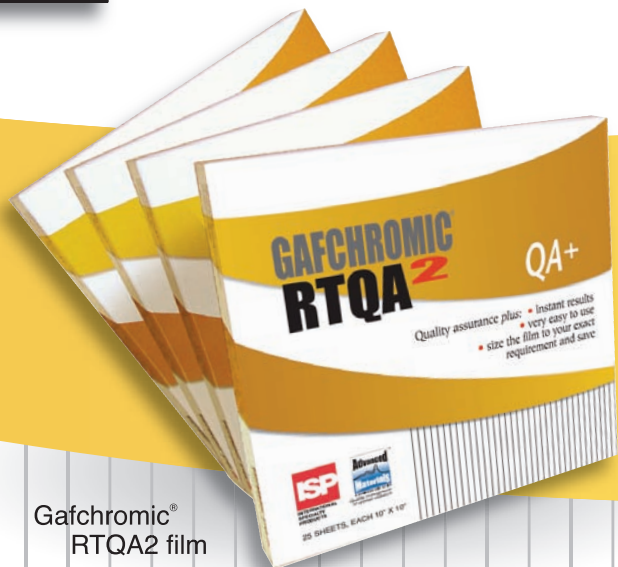
With dwell times between 0.5 second to 2.0 seconds (depending on the source) RTQA2-111 film strips exhibit sharp images, and clearly show source positions. Call today for more information about practical applications of RTQA2 film.

With processor-less technology . . .

RTQA2 delivers cost effectiveness, ease-of-use and more convenience than conventional film!



NOTE: The response of GAFCHROMIC® RTQA2 radiotherapy film is dependent upon factors specific to the facility such as the energy spectrum of the radiation source, the characteristics of the densitometer, film scanner or other means of measurement and the elapsed time between exposure and measurement etc. Therefore, the user should determine the dose-density response under the conditions pertaining to the user's facility and measurement protocol. Since the absolute response of GAFCHROMIC® RTQA2 film may vary from lot to lot, the user should re-measure response when changing to a new lot number.



Gafchromic® RTQA2 film

ALSO AVAILABLE:

To order products or request a brochure, visit gafchromic.com or call toll free 800 622-4423

Gafchromic® EBT2 and EBT2-1417

Gafchromic® EBT2 dosimetry film was developed specifically as a time-and-cost-saving tool addressing the needs of medical physicists and dosimetrists for radiotherapy environments. It is targeted toward applications in external beam radiotherapy and supports the processor-less environment of modern hospitals. *Packages: 25 sheets, sized 8" x 10" or 10 sheets, sized 14" x 17"*

Maximize EBT2 film with:

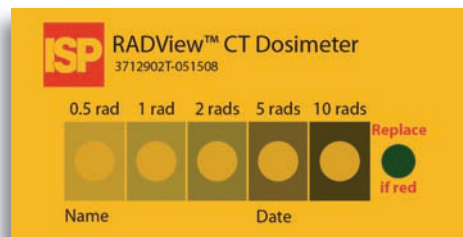
Gafchromic® EBT2 Quick Start Radiation Therapy Suite

This three part system includes specially developed FILMQA™ software, a supply of EBT2 film and the Epson® 10000XL PHOTO flatbed color scanner, **plus one day of training.**

Gafchromic® EBT2 Easel

Designed for the Epson® 10000XL PHOTO scanner, this easel correctly positions Gafchromic® EBT2 films for accurate scans.

RADView™ CT badge



Soft plastic, shown actual size: 1.2" x 2.4"

Visually indicates entrance dose and measures absorbed radiation during CT scans.

- Radiologically equivalent to soft tissue
- Transparent to X-rays at kVp / CT settings
- Measures surface dose during X-rays
- Self-developing radiation sensitive film
- Calibrated for radiation dose

AND:



State of the art scanning software and processor-less film for radiology and diagnostic applications.

ISP FILM QA-XR™ NEW!

Scanning software for Gafchromic® XR film (see below). Helps maximize XR-QA2 and XR-RV3 benefits.



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