

GAFCHROMIC EBT²

QUICK START SUITE

**THE THREE-PART
PROCESSOR-LESS RT DOSIMETRY
SYSTEM THAT SUPPORTS
ALL MAJOR TECHNOLOGIES:**

**ACCELERATOR / LINAC
TOMOTHERAPY™
CYBERKNIFE®**



**FILMQA™
SOFTWARE**



**GAFCHROMIC®
EBT2 FILM**



EPSON® SCANNER

Introducing EBT2 Suite, ... a precise, economical and convenient three-part IMRT quality assurance system

The Gafchromic® EBT2 Suite *Quick Start System* is designed specifically to maximize the advantages of Gafchromic® EBT2 processor-less film. EBT2 Suite supports all major radiotherapy technologies ... *with remarkable convenience and cost savings* for physicists and dosimetrists working in processor-less hospitals.

For external beam radiotherapy, the EBT2 Suite maximizes EBT2 Film advantages, including:

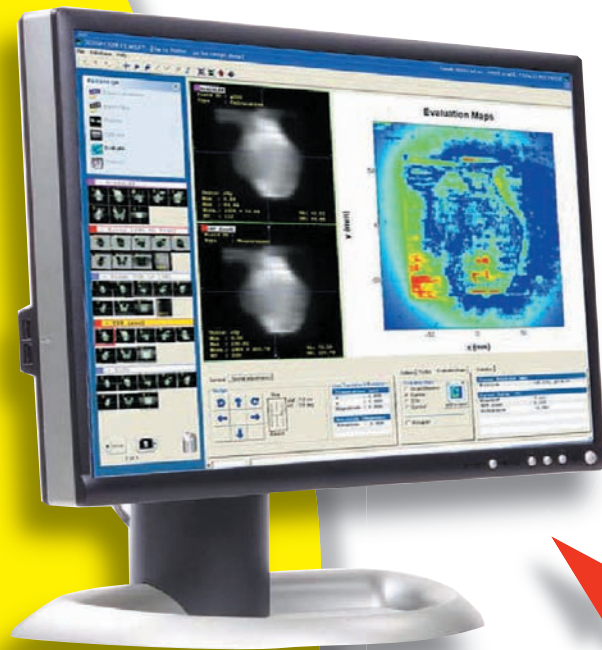
- Supports all major RT technologies
- Develops in real time, *no processing*
- Large measurement area
- Wide dose range, 1 cGy to 40 Gy
- Energy-independent dose response
- Near tissue-equivalent
- High spatial resolution
- Available in two sheet sizes
- Eliminates the need for a darkroom
- Water resistant, water immersible
- **Can be handled in room light**
- Withstands temperatures up to 70° C
- Convenient to handle and easy to cut
- Economical and competitive pricing
- **NEW!** Uniformity indicator!
- **NEW!** Improved resistance to indoor lighting!

And consider these additional EBT2 Suite benefits:

- Software, film and scanner are optimized as a system
- FILMQA™ is fast and user-friendly with background correction capability
- Superior Epson® scanner technology maximizes data integrity
- Expert telephone help and technical support

The Gafchromic® EBT2 Suite *Quick Start System* combines three excellent components plus one full day of training!

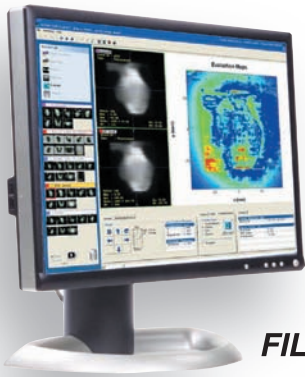
Gafchromic® EBT2 Suite consists of FILMQA™ verification software, four 25 sheet packages of EBT2 radiotherapy film, the EPSON® 10000 XL PHOTO flatbed scanner, plus one day of training.



FILMQA™
SOFTWARE

FREE 21 DAY TRIAL OF FILMQA™!
CALL TODAY or visit gafchromic.com

NOTE: The response of GAFCHROMIC® EBT2 dosimetry 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® EBT2 dosimetry film may vary from lot to lot, the user should re-measure response when changing to a new lot number.



FILMQA™



EBT2 FILM



EPSON® SCANNER

1 **FilmQA™ Software** The EBT2 Quick Start system features FilmQA™, the fastest image evaluation software commercially available for external beam therapy plan validation.

In addition to IMRT QA, FilmQA™ comes with a choice of: Physics QA tools (Flatness and Symetry Analysis, Star Shot Analysis, MLC Analysis) and/or an improved End-to-End Test.

FilmQA™ performs simultaneous automated image registration of multiple fields. It has features including dynamic isodose maps and profiles, and analysis tools such as dose-difference, gamma and distance-to-agreement functions.

2 **EBT2 Film** Also included are four 25 sheet boxes of EBT2 film, a high-performance medium for quantitative dosimetry. It develops in real time (*no processing required*) and has spatial resolution better than 0.005 mm, and response that is energy and dose fractionation independent. In addition, it reveals extraordinary detail, even when used in difficult or awkward applications.

EBT2 film eliminates the need for a darkroom, plus it is water resistant and water immersible, reduces scattered radiation and is near tissue-equivalent. It can be handled in room light, and is optimized for use with FILMQA™ and with the Epson® 10000 XL PHOTO scanner.

3 **EPSON® 10000 XL PHOTO** An excellent flatbed color scanner, with 48-bit RGB output (16-bit per channel). It has full-color functionality with a large 12" x 16" film scanning capacity, and features a better light source and electronics than consumer-grade flatbed scanners.

In addition, one full day of on-site training is included.

We provide hands-on instruction and easy-to-understand manuals that expand on your existing training. After installation, our toll-free technical hotline continues to provide industry-leading support, support to help assure ongoing success for your radiotherapy environment.



TOMOTHERAPY



ACCELERATOR/LINAC



CYBERKNIFE

FILMQA™ supports all major radiotherapy technologies!

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

Gafchromic® EBT2 and **EBT2-1417**. Exceptional dosimetry films.
Compatible with many scanners and software applications.
Packages of 25 sheets, sized 8" x 10" or 10 sheets, sized 14" x 17".

Gafchromic® EBT Easel. Designed for the Epson® 10000XL
PHOTO scanner. It positions EBT2 film for accurate scans.

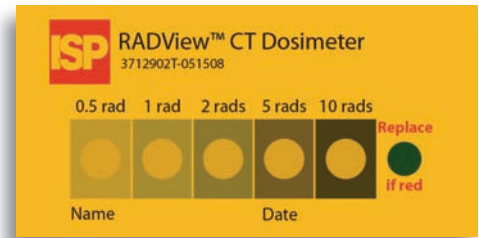
**For commissioning of radiotherapy equipment ask for RTQA2
QA and Commissioning Film, available in convenient sizes:**

Gafchromic® RTQA2-1010 and **RTQA-1010P** (pre-scaled).
For light-field alignment, precision star shots, autoradiography,
and etc. Both are sized 10" x 10". 25 sheets per package

Gafchromic® RTQA2 -111. For verifying brachytherapy
source positioning. Sized 1.25" x 11". 25 strips per package

Gafchromic® RTQA2-1417. For larger field sizes.
Measures 14" x 17". 10 sheets per package

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.



International Specialty Products

1361 Alps Road
Wayne, New Jersey 07470, USA
Tel: 973 628-4000
Fax: 973 628-3311

Call today for more information about practical applications of Gafchromic® products.

Customer Service:
USA Toll Free: 800 622-4423
From outside the USA:
Call: 973 628-3688 or Fax: 973 628-3016
Worldwide Technical Hotline: 866 218-0594



Visit our web site: Gafchromic.com

© 2010 International Specialty Products. Designed & Printed in USA
™ Trademark registration applied for. ® Registered trademark of the ISP group.
Epson® is a registered trademark of Seiko Epson Corporation. Siemens® is a registered trademark of Siemens AG.™
CyberKnife® is a registered trademark of Accuray Incorporated. TomoTherapy® is a registered trademark of TomoTherapy Incorporated.

The information contained in this brochure and the various products described are intended for use only by persons having technical skill and at their own discretion and risk after they have performed necessary technical investigations, tests and evaluations of the products and their uses. While the information herein is believed to be reliable, we do not guarantee its accuracy and a purchaser must make its own determination of a product's suitability for purchaser's use, for the protection of the environment, and for the health and safety of its employees and the purchasers of its products. Neither ISP nor its affiliates shall be responsible for the use of this information, or of any product, method, formulation, or apparatus described in this brochure. Nothing herein waives any of ISP's or its affiliates' conditions of sale, and WE MAKE NO WARRANTY, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR FITNESS OF ANY PRODUCT FOR A PARTICULAR USE OR PURPOSE. We also make no warranty against infringement of any patents by reason of purchaser's use of any information, product, method or apparatus described in this brochure.