tools for radiotherapy and radiology applications

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gafchromic™ films

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who knows the value
of pinpoint precision?
—

we do.

convenient, accurate and cost-efficient quality assurance tools for radiology and radiotherapy applications

description

Gafchromic™ films are designed to provide fast and highly accurate measurements for radiotherapy and radiology applications.

When used with specifically designed Film QA Pro™ software, Gafchromic™ film provides the most complete and accurate dosimetric measurement. Instant high resolution images provide the data integrity needed to increase confidence and peace of mind for both the radiologist and the patient alike.

gafchromic™ radiotherapy films

- EBT3
- EBT3P
- EBT4
- EBT-XD
- HD-V2
- MD-V3
- RTQA2
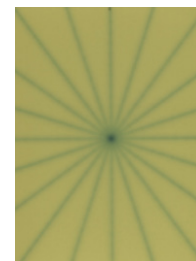- **gafchromic™ CK** films

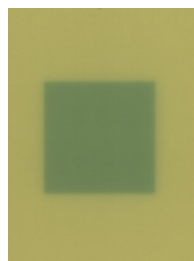## gafchromic™ radiology films

- XR-CT3
- XR-RV3
- XR-M3
- LD-V1

key features and benefits

- high spatial resolution and contrast: submillimeter resolution: 25 µm or less
- no angular correction or dependence: response is independent of radiation incident angle
- tissue equivalent
- safe to handle in room light
- image develops in real time: no chemical processing required
- water resistant: usable with water phantoms
- achieve dose accuracy within 2% when coupled with FilmQA Pro™ Software
- all films can be custom cut to meet the user's specific needs
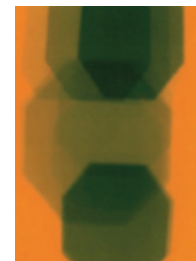

patient film

picket fence

star shot

flatness and symmetry

gafchromic™ XR-RV3 film

gafchromic™ XR-CT2 film

gafchromic™ XR-M2 film

application

- small field dosimetry: SRS/SBRT
- patient QA: VMAT, IMRT
- radiation field/ light field alignment tests
- start shot tests
- picket fence tests
- flatness and symmetry tests
- position verification for HDR
- dose mapping

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film application

product	use	recommended dose range	recommended energy range	format	product code
EBT3	Patient QA: IMRT, VMAT, brachytherapy Machine QA: Star Shot test, Picket Fence test, Flatness and Symmetry test	0.2 Gy to 10 Gy	100keV into the MVrange	Box of 25 sheets: size 8 x 10 in Box of 10 sheets: size 12.8 x 17 in	828204 828206
EBT4	Patient QA: IMRT, VMAT, brachytherapy Machine QA: Star Shot test, Picket Fence test, Flatness and Symmetry test	0.2 Gy to 10 Gy	100keV into the MVrange	Box of 25 sheets: size 8 x 10 in Box of 10 sheets: size 12.8 x 17 in	973857 973882
EBT3P	EBT3 with the added bonus of punched holes in the film for use with the Gafchromin Quick Phantom	0.2 Gy to 10 Gy	100keV into the MV range	Box of 25 sheets: size 8 x 10 in	841975
EBT-XD	Functional for extended dose ranges. Suitable for SRS/ SBRT	0.4 Gy to 40 Gy	100keV into the MV range	Box of 25 sheets: size 8 x 10 in	859138
HD-V2	High dose dosimetry for use with beams of photons, electrons, protons, ions and neutrons.	10 Gy to 1000 Gy	100keV into the MV range	Only available in boxes of 10 sheets	828210
MD-V3	Designed for the measurement of the absorbed dose of high-energy photons.	1 Gy to 100 Gy	100keV into the MV range	Box of 5 sheets: size 5 x 5 in	828213
RTQA2-1010	Machine QA: light field alignment tests, radiation field alignment tests, Star Shot test, Picket Fence test, Flatness and Symmetry test	0.2 Gy to 10 Gy	100keV into the MV range	Box of 25 sheets: size 10 x 10 in	828217
RTQA2-111	Machine QA: light field alignment tests,brachytherapy	0.2 Gy to 10 Gy	100keV into the MV range	Box of 25 strips: size 1.25 x 11 in	828218
RTQA2-1417	Machine QA for larger fields: light field alignment tests, radiation field alignment tests, Star Shot test, Picket Fence test, Flatness and Symmetry test	0.2 Gy to 10 Gy	100keV into the MV range	Box of 10 sheets: size 13.8 x 17 in	828219
XR-CT3	Measure radiation beam slice-width and beam position alignment on CT scanners	2 cGy to 20 cGy	~20 keV to 200 keV	Box of 50 strips: size 10 x 1.9 cm	972416
XR-RV3	Surface-peak skin dose measurement in interventional procedures guided by fluoroscopy	0.2 Gy to 10 Gy	~30 keV to 30 MeV	Box of 25 sheets: size 13.8 x 17 in Comparator Strip 1 each	832486 828231
XR-M3	Mammography QA Testing	2 cGy to 20 cGy	~20 keV to 200 keV	Box of 50 strips: size 6.5 x 2.3 cm	972417
LD-V1	QA tool for radiology applications	2 cGy to 20 cGY	~20 keV to 200 keV	Box of 10 sheets: size 10 x 12 in Box of 10 sheets: size 8 x 10 in	972413 972412

ck films for use with CyberKnife* phantoms

product	product code	format	pieces	pairs	graphic
gafchromic™ film EBT3					
ballcube I	828193	2.5 x 2.5 in	20	10	
ballcube II	828195	2.5 x 2.5 in	20	10	
AQA	828191	2.5 x 2.5 in	100	—	
mini ballcube	828215	1.25 x 1.25 in	20	10	
XLT	828223	1.25 x 1.25 in	20	10	
gafchromic™ film EBT-XD					
ballcube I	873549	2.5 x 2.5 in	20	10	
ballcube II	873550	2.5 x 2.5 in	20	10	
AQA	873547	2.5 x 2.5 in	100	—	
mini ballcube	873548	1.25 x 1.25 in	20	10	
XLT	873848	1.25 x 1.25 in	20	10	

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