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EBT Film Dosimetry Media

Self Developing Radiation Sensitive Film for IMRT Dosimetry

Developed specifically to address the needs of the medical physicist and dosimetrist. It is targeted toward applications in external beam dosimetry, IMRT in particular and supports the processor-less environment of the modern hospital.

Transmission densitometers that are commonly used to measure visual density with conventional films are suitable for use with EBT film. Better results can be obtained from the red color channel with a color densitometer. However, the best results can be obtained by using a narrow band pass filter with central wavelength at about 636 nm and 10 nm bandwidth while making measurements.

EBT Film - 8 in x 10 in, available in a box of 25 films,
EBT-1417 Film 14 in x 17 in, available in a box of 10 films,

Radiochromic Film Features:

- ▶ Self-developing in real time
- ▶ No processing required
- ▶ Insensitive to room ambient light
- ▶ Energy and dose-rate independent response
- ▶ Near tissue equivalent
- ▶ Simplifies film dosimetry for photons and electrons
- ▶ Ideal for mapping doses from IMRT, stereotactic fields and brachytherapy sources
- ▶ Water resistant – usable in water phantoms

RTQA Film Dosimetry Media

Self Developing Radiation Sensitive Film for Qualitative Dosimetry and Brachytherapy

RTQA-111 is intended for HDR positioning verification. It may be used in a PermaDoc phantom or taped directly under a catheter. RTQA-111 film exhibits sharp images clearly showing source position. Available in a box of 25 strips, 1.25 in x 11 in.

RTQA-1010 is intended for light field and radiation field alignment test. Available in a box of 25 films, 10 in x 10 in.

RTQA-1010P, same as above but with printed scales. Available in a box of 25 films, 10 in x 10 in.

RTQA-1417 is intended for large light field and radiation field alignment test. Available in a box of 10 films, 14 in x 17 in.

	EBT		RTQA			
	IMRT		Qualitative dosimetry, Brachytherapy			
Application						
Model Number	EBT	EBT-1417	RTQA-111	RTQA-1010	RTQA-1010P	RTQA-1417
Size	8 in x 10 in	14 in x 17 in	1.25 in x 11 in	10 in x 10 in	10 in x 10 in	14 in x 17 in
Standard pack	25	10	25	25	25	10
Sensitivity (rads)	2 cGy – 800 cGy		2 cGy – 800 cGy			
Temperature	20°C – 25°Cw		20°C – 25°C			
Storage	20°C – 25°C for two-year shelf life, refrigerator temperatures preferred for longer shelf life					
Visible light	May be handled in room light, avoiding sunlight. Store in darkness					

