

who has pinpoint  
precision for  
critical analysis?



**gafchromic™ LD films**



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# gafchromic™ LD-V1 film for radiology QA tests

convenient, accurate and cost-efficient tools for radiology and diagnostic applications

Gafchromic™ LD-V1 film is designed specifically as a QA tool for radiology in a processor-less environment. Gafchromic™ LD-V1 film is available in two sizes: 10" x 12" and 8" x 10" (10 sheets per package). It can be cut to various sizes and can be handled in room light.

## imaging detail with high resolution and contrast

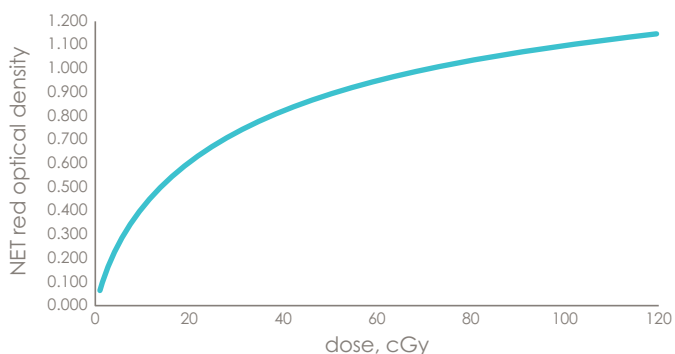
State-of-the-art quality production techniques for Gafchromic™ LD-V1 film assure consistent and reliable high contrast. Results are easy to read; and data is easy to understand.

### key features and benefits

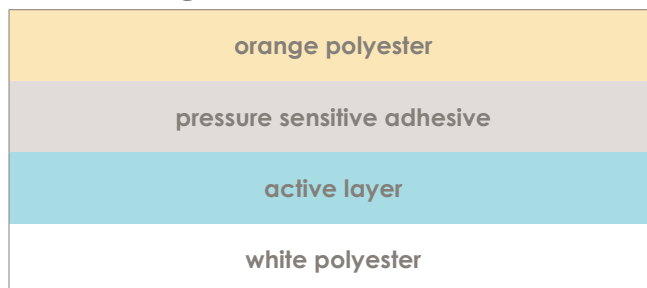
- no processor required
- instant calibration results
- high data integrity
- improved contrast
- sensitive to dose range 2 cGy to 20 cGy
- two convenient film sizes to choose from
- cost effective, easy to use
- can be handled in room light



dose response curve of gafchromic™ LD-V1 at 120 kVp



### structure of gafchromic™ LD-V1 film



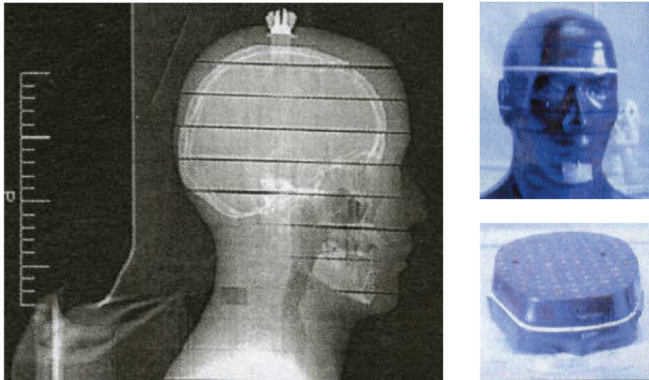
dose range	energy range	configuration	layer	thickness*
2 cGy to 20 cGy	40 kVp to 160 kVp	4-layer laminate, substrate – adhesive layer – active layer – substrate	yellow polyester adhesive layer active layer white polyester	97 microns 20 microns 25 microns 97 microns

\*actual film layer thickness may vary slightly

# gafchromic™ LD-V1 dosimetry film applications

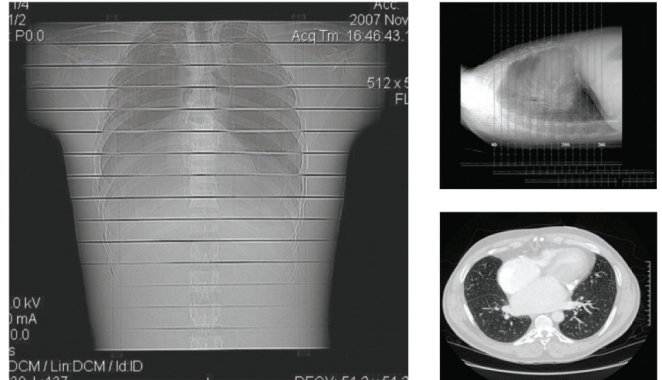
## head phantom dosimetry application

Typical head phantom radiation analysis. Gafchromic™ LD-V1 film is easy to use, cost effective, and compatible with a wide variety of phantoms.

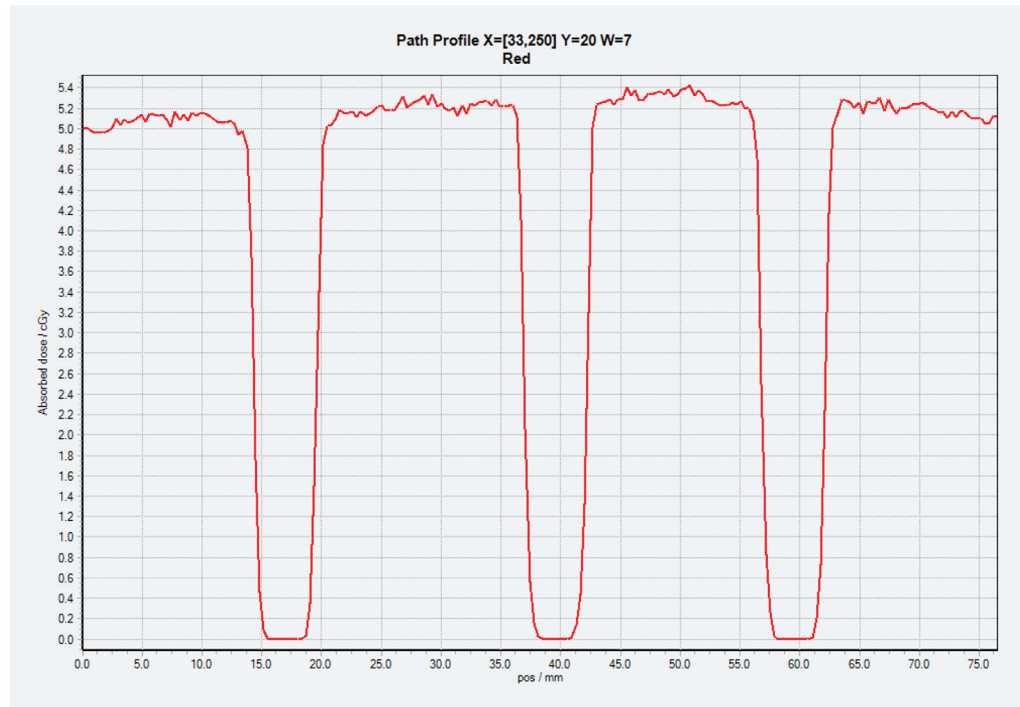
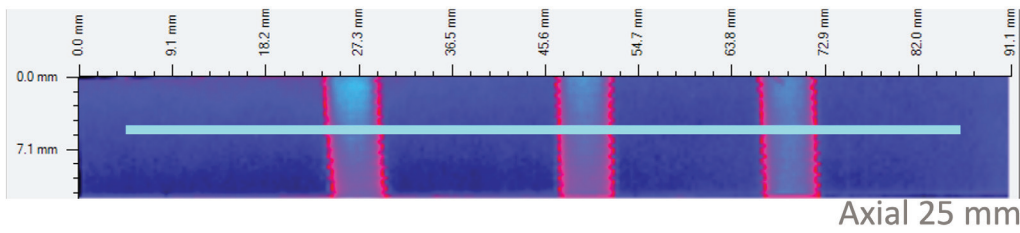


## chest phantom dosimetry application

Typical chest radiation analysis. Results taken from an *in vivo* study for a chest exam with 64 slices made with a CT scanner.



## actual results showing a strip of the gafchromic™ LD-V1 film for a typical phantom exposure



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