MAMORAY HDR-C
FILM

HDR-C film is an integral part of the Agfa HD Mammography System.

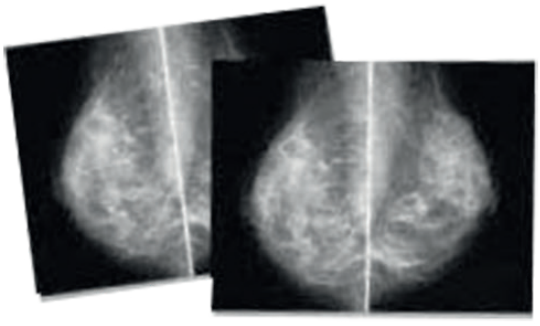
- Exceptionally high contrast
- High dynamic range
- RP (standard) processing cycle
- Anti-halation layer for artifact resistance

HDR-C film provides optimum contrast throughout all density ranges

HDR-C Film has excellent diagnostic capabilities in dense breast tissue. This unique film delivers high contrast in the shoulder of the H&D curve and latitude for dense structures within the toe portion of the H&D curve.

Split Emulsion Layering Technology Provides Superior Detail

HDR-C uses Split Emulsion Layering, the latest in emulsion technology. These layers provide the viewer with the latitude necessary to visualize clinically significant information in dense breast tissue and the high contrast necessary for perception of microcalcifications. The cool, blue image tone reduces eye fatigue and maximizes the ability to visualize small details and fine structures within the breast.



Consistent Processing Results

Due to Cubic Plus crystal characteristics, the HDR-C sensitometric results are minimal ly affected by normal fluctuations in processing conditions. Low inherent film grain reduces visible noise on the final image. The anti-halation layer and protective topcoating minimize film handling and processing artifacts.

HDR-C Technical Data

HDR-C is a single-sided, high contrast, green light sensitive, orthochromatic film for mammography. This film is designed for use with single sided, green-light emitting intensifying screens. HDR-C can be combined with the Agfa Mammography Screen that provides the image quality and system speed that best meets the user's needs.

AGFA

Technical Specifications

GENERAL

Safelight requirements

- Use a safelight filter appropriate for Orthochromatic Film, such as a GBX-2
- Use a 7.5w frosted bulb placed at least 4 feet from the work surface.

Processing

- RP (Standard) processing cycles.

Chemistry

- Agfa Mammography chemistry is strongly recommended.
- Equivalent mammography chemistries may be used.
- Developer temperature: should be maintained between 33°C - 35°C

Storage and operating conditions

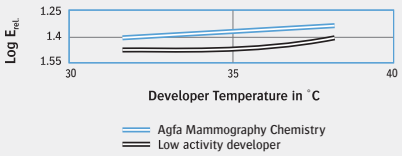
- Temperature: 4 - 25° C (39 - 77° F)
- Humidity: 30 - 50% Rh
- Shield film from sources of heat and all penetrating radiation
- Observe expiration dates

Agfa's HD System Speeds

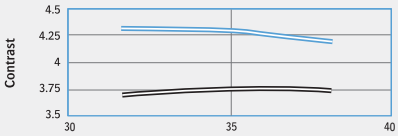
- HD sceen: 100 Speed Class
- HD-S sceen: 150 Speed Class

CURVES

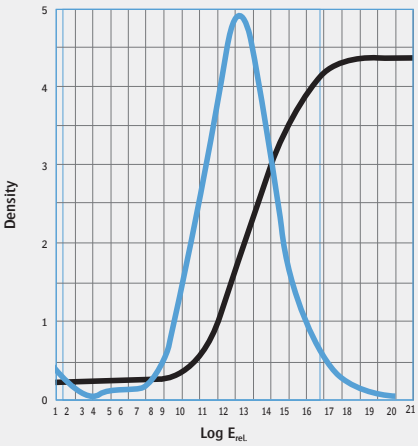
Speed Dynamic Curve



Contrast Dynamic Curve



Sensitometric and contrast curve

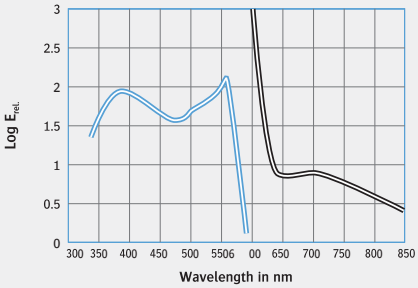


Machine processing MAMORAY HT-300 with RP processing cycle. Agfa Mammography Chemistry. X-Rite Sensitometer.

Contrast curve
Sensitometric curve

Speed and Contrast are relative data; measurements are influenced by the sensitometer and densitometer used.

Darkroom Sensitivity



Agfa HDR-C Film
Standard darkroom filter

For more information on Agfa, please visit our website on www.agfa.com ■

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