

Hardcopy Device

Test 33: Self-calibration On acceptance & Weekly

(Only applicable if prints are used for reporting)

		SITE:	_____		
		TEST NO.33: SELF-CALIBRATION - PRINTER	_____		
DATE	NAME	RESULTS	PASS	FAIL	CORRECTIVE ACTION

PURPOSE

To ensure artefact-free laser films with consistent grey levels that match the image appearance on workstation.

PROCEDURE:

According to manufacturer specifications.

Test 34: Optical density consistency³ monthly

PURPOSE

To ensure artefact-free laser films with consistent grey levels that match the image appearance on workstation.

TOOLS: Densitometer, Laser image printer, SMPTE pattern.

Generate a SMPTE pattern on workstation.

Print SMPTE pattern.

Using a film densitometer, measure the optical density of the 0, 10%, 40%, and 90% gray level patches of the SMPTE pattern.

Plot the optical densities in the appropriate places on the laser film QC chart.

Circle any points that fall outside of the control limits.

Test 35: Image Quality 3 monthly

Only applicable if prints are used for reporting
(interpretation of medical images)

PURPOSE

To ensure artefact-free laser films with consistent grey levels that match the image appearance on workstation.

PROCEDURE:

Put SMPTE pattern generated in the previous test on viewing box and inspect it for streaks, uneven densities and other artefacts.