

Medical Physicist's ACR DM QC Test Summary

Facility Name _____
 Address _____

MAP ID-Unit# _____ - _____
 Room ID _____
 Report Date _____
 Survey Date _____

X-Ray Unit Manufacturer _____ Model _____
 Control Panel Serial # _____ Manufacture Date _____ Installation Date _____
 DM Unit Type: ☐ Digital radiography (DR) ☐ Computed radiography (CR) ☐ Digital Breast Tomosynthesis (DBT)
 Unit Use: ☐ Diagnostic and screening mammography ☐ Diagnostic only ☐ Screening only
 Survey Type: ☐ Mammography equipment evaluation (MEE) - Full ☐ MEE - Partial ☐ Annual survey
 Equipment Tested: ☐ DM unit ☐ AW monitor ☐ RW monitor ☐ Viewbox ☐ Printer Other: _____
 Oversight Level: ☐ Medical physicist on-site ☐ Medical physicist oversight
 Quality Control Manual Used for Survey and Facility QC: 2018 ACR Digital Mammography QC Manual (with 2D and DBT QC)

Medical Physicist _____ Signature _____

QC Test Results

Test	Pass/Fail*			CA
	2D**	2D Add-on DBT	DBT	
Medical Physicist Tests				
1. Mammography Equipment Evaluation - MQSA Reqs				
2. ACR DM Phantom Image Quality				
3. DBT Z Resolution				
4. Spatial Resolution				
5. DBT Volume Coverage				
6. Automatic Exposure Control System Performance				
7. Average Glandular Dose				
8. Unit Checklist				
9. Computed Radiography (if applicable)				
10. Acquisition Workstation Monitor QC				
11. Radiologist Workstation Monitor QC				
12. Film Printer QC (if applicable)				
13. Evaluation of Site's Technologist QC Program				
14. Evaluation of Display Device Technologist QC Program				
15. Manufacturer Calibrations (if applicable)				
16. Collimation Assessment				
MEE/Troubleshooting - Beam Quality (HVL) Assessment				
MEE/Troubleshooting - kVp Accuracy and Reproducibility				
Troubleshooting - Ghost Image Evaluation				
Troubleshooting - Viewbox Luminance				
Technologist QC Evaluation				
1. ACR DM Phantom Image Quality				
2. Computed Radiography Cassette Erasure (if applicable)				
3. Compression Thickness Indicator				
4. Visual Checklist				
5. Acquisition Workstation Monitor QC				
6. Radiologist Workstation Monitor QC				
7. Film Printer QC (if applicable)				
8. Viewbox Cleanliness (if applicable)				
9. Facility QC Review				
10. Compression Force				
11. Manufacturer Calibration (if applicable)				
Optional - Repeat Analysis				

Your Phantom Results - 2D

Fiber (≥ 2.0)
 Speck grp (≥ 3.0)
 Mass (≥ 2.0)
 AGD (≤ 3.0 mGy)

Your Phantom Results - DBT

Fiber (≥ 2.0)
 Speck grp (≥ 3.0)
 Mass (≥ 2.0)
 AGD (≤ 3.0 mGy)

* "Pass" means all components of test passes; "Fail" means any or all components fail; if "CA" checked, see Corrective Action Summary
 ** or DBT aquisition only