

HEAD AND NECK RADIOGRAPHIC SYSTEMS
FIELD TEST RECORD

(Use Form FDA 2782, Field Test Record Continuation, if more space is needed.)

Print Legibly. Use Black
Ball Point Pen. Enter One
Character Per Box.

FIELD TEST SERIAL NO. (1-8)

HN
REGIONAL REVIEW (NAME)

Card
No.
(9-10)

Test
Procedure

1.

HN
11 13

Component Certification Information

2. Indicate the status of each as follows:

C - Certified

V - Certified with a Variance

N - Not Certified

X - Not Present or Not Applicable

Beam Limiting Device
14

High Voltage Generator
15

Cassette Holder
16

Tube Housing Assembly
17

Tube Housing Assembly
18 With Beam Limiting Device

Other (Specify)
19

X-ray Control
20

3.

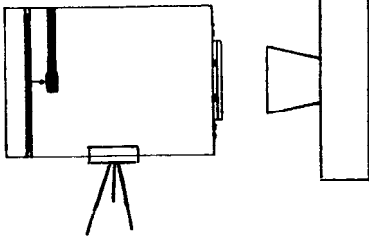
Indicated Source To Image Distance (SID)

• inches
21 23

OR • cm
24 27

Test Setup

S6



MDH (Pulse Exposure)
4.5 mm Al

Technique Factors

4. Timer mode of
operation during
testing

28

M-manually set time
or mAs

P- phototimer

5. kVp
29 31

6. mA
32 34

7. • sec OR pulses
35 38 39 41

8. mAs
42 44

Beam Quality

9. • mR @ 4.5 mm Al
45 49

10. • mR @ 3.5 mm Al
50 54

11. • mR @ 2.5 mm Al
55 59

12. • mR @ 1.5 mm Al
60 64

13. Technique Factors indicated
Before Exposure

Y-YES
11 N-NO

14. Exposure Terminated After Preset Time Interval,
Preset mAs, Or Preset Radiation Exposure To
Image Receptor

Y-YES
12 N-NO

15. Warning Label Present

Y-YES N-NO
13

16. MDH Threshold Setting,
0.53-3 phase, 0.2-1 phase

•
ø 46

Reproducibility

17. • mR
15 19

18. msec
20 23

19. • mR
24 28

20. msec
29 32

21. • mR
33 37

22. msec
38 41

23. • mR
42 46

24. msec
47 50

10

11

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Reproducibility (Continued)

25. • mR
51 55

Data Here If Any Two Of
Items 17, 19, 21, And 23
Differ By More Than 10
Percent Of Largest Value

26. msec
56 59

27. • mR
60 64

28. msec
65 68

29. • mR
69 73

30. msec
74 77

31. • mR
11 15

32. msec
16 19

33. • mR
20 24

34. msec
25 28

35. • mR
29 33

36. msec
34 37

12

Linearity

37. mA
38 40

If Change in mA Causes a kVp
Shift, Readjust kVp Setting to
Value Selected at Item 5 Above

38. • mR
41 45

42. Distance from Base of Test Stand
To Face of Cassette Holder • cm
61 64

43. Distance from Face Cassette
Holder to Image Receptor • cm
65 67

39. • mR
46 50

44. Outside Separation of Image of Focal
Spot Strips • cm
68 70

40. • mR
51 55

41. • mR
56 60

X-Ray Field/Indicated Field Size Comparison (Fixed Collimation Only)

45. Indicated Field Size Horizontal Dimension • inches OR • cm
11 13 14 16

46. Indicated Field Size Vertical Dimension • inches OR • cm
17 19 20 22

47. X-Ray Field Image Horizontal Dimension • cm 48. X-Ray Field Image Vertical Dimension • cm
23 25 26 28

13

Actual Versus Indicated Field Size

49. Beam Limiting Device Numerically Indicates Field Size Y-YES N-NO
29

50. Indicated Field Size Horizontal Dimension • inches OR • cm
30 32 33 35

51. Indicated Field Vertical Dimension • inches OR • cm
36 38 39 41

52. Light Field Horizontal Dimension • cm 53. Light Field Vertical Dimension • cm
42 44 45 47

DEPARTMENT OF HEALTH AND HUMAN SERVICES

PUBLIC HEALTH SERVICE
FOOD AND DRUG ADMINISTRATION

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Illuminance

54. $\frac{\text{total}}{\text{ambient}} = \frac{\text{48}}{\text{50}} \cdot \text{fc}$

55. $\frac{\text{total}}{\text{ambient}} = \frac{\text{51}}{\text{53}} \cdot \text{fc}$

56. $\frac{\text{total}}{\text{ambient}} = \frac{\text{54}}{\text{56}} \cdot \text{fc}$

57. $\frac{\text{total}}{\text{ambient}} = \frac{\text{57}}{\text{59}} \cdot \text{fc}$

X-Ray Field/Light Alignment and Size Comparison

58. X-Ray Field Horizontal Dimension $\frac{\text{60}}{\text{62}} \text{ cm}$

59. X-Ray Field Vertical Dimension $\frac{\text{63}}{\text{65}} \text{ cm}$

60. Light Field Horizontal Dimension $\frac{\text{66}}{\text{68}} \text{ cm}$

61. Light Field Vertical Dimension $\frac{\text{69}}{\text{71}} \text{ cm}$

62. Horizontal Misalignment $\frac{\text{72}}{\text{73}} \text{ cm}$

63. Vertical Misalignment $\frac{\text{74}}{\text{75}} \text{ cm}$

X-Ray Field/Image Receptor Centers Comparison

64. Centers Misalignment $\frac{\text{11}}{\text{12}} \text{ cm}$

PBL X-Ray Field/Image Receptor Size Comparison

65. Horizontal Film Dimension $\frac{\text{13}}{\text{15}}$ Inches OR $\frac{\text{16}}{\text{18}}$ cm

68. Type of Positive Beam Limitation (PBL)

- A. Automatically Adjusts X-ray Field
- B. Prevents Production of X-rays Until Manual Adjustments are Made

66. Vertical Film Dimension $\frac{\text{19}}{\text{21}}$ Inches OR $\frac{\text{22}}{\text{24}}$ cm

67. Indicated SID $\frac{\text{25}}{\text{27}}$ Inches OR $\frac{\text{28}}{\text{31}}$ cm

$\frac{\text{32}}{\text{32}}$

69. Is the PBL Currently Operating in Conformance with its Design $\frac{\text{33}}{\text{33}}$ Y-YES N-NO

14

70. Distance from Film Cassette to Plastic Cassette $\frac{\text{34}}{\text{37}} \text{ cm}$

71. Light Field Horizontal Dimension $\frac{\text{38}}{\text{40}} \text{ cm}$

72. Light Field Vertical Dimension $\frac{\text{41}}{\text{43}} \text{ cm}$

73. Indicated SID $\frac{\text{44}}{\text{46}}$ Inches

OR $\frac{\text{47}}{\text{50}} \text{ cm}$

74. Light Field Horizontal Dimension $\frac{\text{51}}{\text{53}} \text{ cm}$

75. Light Field Vertical Dimension $\frac{\text{54}}{\text{56}} \text{ cm}$

PBL Operation

76. In PBL Mode, Adjustment Possible To Field Size Smaller Than Image Receptor $\frac{\text{57}}{\text{57}}$ Y-YES N-NO

77. Automatic Return To PBL When Image Receptor is Changed $\frac{\text{58}}{\text{58}}$ Y-YES N-NO

78. X-ray Production Prevented At SID's Where Operation Is Not Intended $\frac{\text{59}}{\text{59}}$ Y-YES N-NO

REMARKS