List of Supplemental Digital Content (SDC)

Technical Parameters of Radiographic Projections Used in Dose Calculations

SDC 1. Technical parameters for skull radiography.

SDC2. Technical parameters for paranasal sinuses radiography.

SDC3. Technical parameters for neck (soft tissue) radiography.

SDC4. Technical parameters for cervical spine radiography.

SDC5. Technical parameters for ribs radiography.

SDC6. Technical parameters for chest radiography.

SDC7. Technical parameters for thoracic spine radiography.

SDC8. Technical parameters for thoracic/cervical spine radiography.

SDC9. Technical parameters for thoracic/lumbar spine radiography.

SDC10. Technical parameters for lumbar spine radiography.

SDC11. Technical parameters for lumbosacral spine radiography.

SDC12. Technical parameters for sacrum/coccyx radiography.

SDC13. Technical parameters for abdomen radiography.

SDC14. Technical parameters for pelvis radiography.

SDC 1. Technical parameters for skull radiography.

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| **Period** | **Projections** | **SIDa**  **(cm)** | **Film dimensions**  **(cm)** | **kVb** | **mAsc** | **Total**  **Filtration**  **(mm Al)** | **Film** | **Screens** | **Grid** | **Reference** |
| 2000-2010 | AP axial (Towne)  PA axial (15o)  PA (0o)  Lateral | 110  110  110  110 | 24x30  24x30  24x30  24x30 | 80  80  80  80 | 20  18  18  8 | 2.5  2.5  2.5  2.5 | -d  -d  -d  -d | Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid | Bontrager, 2010; 2005 |
| 1990-1999 | AP axial (Towne)  PA axial (15o)  PA (0o)Lateral | 110  110  110  110 | 24x30  24x30  24x30  24x30 | 80  80  80  80 | 20  18  18  8 | 2.5  2.5  2.5  2.5 | -d  -d  -d  -d | Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid | Bontrager, 1997; 2001 |
| 1980-1989 | Fronto-occipital (Towne)  Occipito-frontal (PA axial 20o)  Occipito-frontal (PA axial 0o)  Lateral  Submento-vertex | 100  100  100  100  100 | 24x30  24x30  24x30  24x30  24x30 | 80  75  75  65  85 | 40  50  40  40  50 | 2.5  2.5  2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Standard  Standard  Standard  Standard  Standard | Grid  Grid  Grid  Grid  Grid | Swallow and Naylor, 1986;  Kreel and Paris, 1979 |
| 1970-1979 | Fronto-occipital (Towne)  Occipito-frontal (PA axial 20o)  Occipito-frontal (PA axial 0o)  Lateral  Submento-vertex | 90  90  90  90 | 24x30  24x30  24x30  24x30  24x30 | 75  75  70  65  80 | 40  45  40  30  50 | 2.5  2.5  2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Fast  Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid  Grid | McInnes, 1973 |
| 1960-1969 | Fronto-occipital (Towne)  Occipito-frontal (PA axial 20o)  Occipito-frontal (PA axial 0o)  Lateral  Submento-vertex | 90  90  90  90  90 | 24x30  24x30  24x30  24x30  24x30 | 70  70  70  65  80 | 50  40  30  30  50 | 2.5  2.5  2.5  2.5  2.5 | Ilford Red Seal  Ilford Red Seal  Ilford Red Seal  Ilford Red Seal Ilford Red Seal | Fast  Fast  Fast  Fast  Fast | Stationary  Grid  Grid  Grid  Grid | Clark, 1964 |
| 1950 – 1959 | Fronto-occipital (Towne)  Occipito-frontal (PA axial 20o)  Occipito-frontal (PA axial 0o)  Lateral  Submento-vertex | 76  76  76  76  76  76  90  90  90  90 | 24x30  24 x 30  24x30  24 x 30  24x30  24 x 30  24x30  24 x 30  24x30  24 x 30 | 70  70  70  70  65  65  60  60  80 | 160  80  140  140  70  100  140  70  140  70 | 0.5  0.5  0.5  0.5  0.5  0.5  0.5  0.5  0.5  0.5 | Ilford Standard  Red Seal  Ilford Standard  Red Seal  Ilford Standard  Red Seal  Ilford Standard  Red Seal  Ilford Standard  Red Seal | Standard  Standard  Standard  Standard  Standard  Standard  Standard  Standard  Standard  Standard | Grid  Grid  Grid  Grid  Grid  Grid  Grid  Grid  Grid  Grid | Clark, 1956 |
| 1940 – 1949 | Fronto-occipital (Towne)  Occipito-frontal (PA axial 20o)  Occipito-frontal (PA axial 0o)  Lateral  Submento-vertex | 76  76  76  76  76 | 24x30  24x30  24x30  24x30  24x30 | 65  60  65  60  80 | 92  46  100  80  200 | 0.5  0.5  0.5  0.5  0.5 | Ilford  Ilford  Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate  Tungstate  Tungstate | -  -  Potter-Bucky  Potter-Bucky  Potter-Bucky | Clark, 1949 |
| 1930 – 1939 | Fronto-occipital (Towne)  Occipito-frontal (PA axial 20o)  Occipito-frontal (PA axial 0o)  Lateral  Submento-vertex | 76  76  76  76  76 | 24x30  24x30  24x30  24x30  24x30 | 60  60  65  60  80 | 605  46  100  80  200 | 0.5  0.5  0.5  0.5  0.5 | Ilford  Ilford  Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate  Tungstate  Tungstate | -  -  Potter-Bucky  Potter-Bucky  Potter-Bucky | Clark, 1939 |

asource-to-image receptor distance (cm); bpeak kilovoltage (kV) ; cmilliampere-seconds (mAs); dinformation not provided

SDC2. Technical parameters for paranasal sinuses radiography.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Period** | **Projections** | **SIDa**  **(cm)** | **Film dimensions**  **(cm)** | **kVb** | **mAsc** | **Total**  **Filtration**  **(mm Al)** | **Film** | **Screen** | **Grid** | **Reference** |
| 2000-2010 | Lateral right  Parietoacanthial (Waters)  ~~Parietoacanthia~~l  PA axial | 110  110  110 | 18x24  18x24  18x24 | 70  75  75 | 8  28  24 | 2.5  2.5  2.5 | -d  -d  -d | Fast  Fast  Fast | Grid  Grid  Grid | Bontrager, 2010; 2005 |
| 1990-1999 | Lateral right  Occipitomental (Waters)  PA axial | 110  110  110 | 18x24  18x24  18x24 | 70  75  75 | 8  28  24 | 2.5  2.5  2.5 | -d  -d  -d | Fast  Fast  Fast | Grid  Grid  Grid | Bontrager, 1997; 2001 |
| 1980-1989 | Occipito-frontal  Occipito-frontal 15o  Lateral right  Submento-vertex  Obliques | 100  100  100  100  100 | 18x24  18x24  18x24  18x24  18x24 | 75  75  65  85  70 | 40  40  20  50  20 | 2.5  2.5  2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Standard  Standard  Standard  Standard  Standard | Potter-Bucky  Potter-Bucky  Potter-Bucky  Potter-Bucky  Potter-Bucky | Swallow and Naylor, 1986;  Kreel and Paris, 1979 |
| 1970-1979 | Occipito-frontal  Occipito-frontal 15o  Lateral right  Submento-vertex  Obliques | 90  90  90  90  90 | 18x24  18x24  18x24  18x24  18x24 | 70  70  75  80  70 | 25  30  5  50  30 | 2.5  2.5  2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Fast  Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid  Grid | McInnes, 1973 |
| 1960-1969 | Occipito-frontal  Occipito-frontal 15o  Lateral right  Submento-vertex  Obliques | 90  90  90  90  90 | 20x25  20x25  18x24  18x24  18x24 | 70  70  75  80  70 | 25  30  5  50  30 | 2.5  2.5  2.5  2.5  2.5 | Ilford Red Seal  Ilford Red Seal  Ilford Red Seal  Ilford Red Seal Ilford Red Seal | Fast  Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid  Grid | Clark, 1964 |
| 1950-1959 | Occipito-frontal  Occipito-frontal 15o  Lateral right  Submento-vertex  Obliques | 76  76  76  76  76 | 16x22  16x22  16x22  16x22  16x22 | 65  70  75  85  68 | 36  36  10  36  36 | 0.5  0.5  0.5  0.5  0.5 | Ilford Standard  Ilford Standard  Ilford Standard  Ilford Standard  Ilford Standard | Standard  Standard  Standard  Standard  Standard | Grid  -  Grid  -  - | Clark, 1956 |
| 1940-1949 | Occipito-frontal  Occipito-frontal 15o  Lateral right  Submento-vertex  Obliques | 76  76  76  76  76 | 16x22  16x22  16x22  16x22  16x22 | 65  75  63  82  67 | 40  40  16  23  40 | 0.5  0.5  0.5  0.5  0.5 | Ilford  Ilford  Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate  Tungstate  Tungstate | Potter-Buck  Potter-Bucky  Potter-Buck  Potter-Bucky  Potter-Bucky | Clark, 1949 |
| 1940-1949 | Occipito-frontal  Occipito-frontal 15o  Lateral right  Submento-vertex  Obliques | 76  76  76  76  76 | 16x22  16x22  16x22  16x22  16x22 | 65  75  63  82  67 | 40  40  16  46  40 | 0.5  0.5  0.5  0.5  0.5 | Ilford  Ilford  Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate  Tungstate  Tungstate | Potter-Buck  Potter-Bucky  Potter-Buck  Potter-Bucky  Potter-Bucky | Clark, 1939 |

asource-to-image receptor distance (cm); bpeak kilovoltage (kV) ; cmilliampere-seconds (mAs); dinformation not provided

SDC3. Technical parameters for neck (soft tissue) radiography.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Period | **Projections** | **SIDa**  **(cm)** | **Film dimensions**  **(cm)** | **kVb** | **mAsc** | **Total**  **Filtration**  **(mm Al)** | **Film** | **Screen** | **Grid** | **Reference** |
| 2000-2010 | AP axial 20o  Lateral | 110  160 | 18x24  24x30 | 75  75 | 10  28 | 2.5  2.5 | -d  -d | Fast  Fast | Grid  - | Bontrager, 2010; 2005 |
| 1990-1999 | AP axial 20o  Lateral | 110  160 | 18x24  24x30 | 75  75 | 10  28 | 2.5  2.5 | -d  -d | Fast  Fast | Grid  - | Bontrager, 1997; 2001 |
| 1980-1989 | AP axial 20o  Lateral | 100  180 | 18x24  24x30 | 80  65 | 40  40 | 2.5  2.5 | Ilford Rapid R  Ilford Rapid R | Fast  Fast | Grid  - | Swallow and Naylor, 1986;  Kreel and Paris, 1979 |
| 1970-1979 | AP axial  Lateral | 90  90 | 18x24  24x30 | 60  60 | 25  8 | 2.5  2.5 | Ilford Rapid R  Ilford Rapid R | Fast  Fast | Grid  - | McInnes, 1973 |
| 1960-1969 | AP axial  Lateral | 90  150 | 18x24  24x30 | 60  70 | 25  20 | 2.5  2.5 | Ilford Red Seal  Ilford Red Seal | Fast  Fast | Grid  - | Clark, 1964 |
| 1950-1959 | AP  LAT | 120  152 | 20x24  20x24 | 65  60 | 60  30 | 0.5  0.5 | Ilford Standard  Ilford Standard | Standard  Standard | Grid  - | Clark, 1956 |
| 1940-1949 | AP  LAT | 120  152 | 20x24  20x24 | 65  65 | 66  100 | 0.5  0.5 | Ilford  Ilford | Tungstate  Tungstate | Potter-Bucky  Potter-Bucky | Clark, 1949 |
| 1930-1939 | AP  LAT | 120  152 | 20x24  20x24 | 65  65 | 65  100 | 0.5  0.5 | Ilford  Ilford | Tungstate  Tungstate | Potter-Bucky  Potter-Bucky | Clark, 1939 |

asource-to-image receptor distance (cm); bpeak kilovoltage (kV) ; cmilliampere-seconds (mAs); dinformation not provided

SDC4. Technical parameters for cervical spine radiography.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Period** | **Projections** | **SIDa**  **(cm)** | **Film dimensions**  **(cm)** | **kVb** | **mAsc** | **Total**  **Filtration**  **(mm Al)** | **Film** | **Screen** | **Grid** | **Reference** |
| 2000-2010 | AP axial 20o  AP-open mouth  RAO  LPO  Lateral | 110  110  160  160  160 | 18x24  18x24  18x24  18x24  24x30 | 75  75  75  75  75 | 10  15  10  10  28 | 2.5  2.5  2.5  2.5  2.5 | -d  -d  -d  -d  -d | Fast  Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid  - | Bontrager, 2010; 2005 |
| 1990-1999 | AP axial 20o  AP-open mouth  RAO  LPO  Lateral | 110  110  160  160  160 | 18x24  18x24  18x24  18x24  24x30 | 75  75  75  75  75 | 10  15  10  10  28 | 2.5  2.5  2.5  2.5  2.5 | -d  -d  -d  -d  -d | Fast  Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid  - | Bontrager, 1997; 2001 |
| 1980-1989 | AP  AP-open mouth  OBL  Lateral | 100  100  180  180 | 18x24  18x24  18x24  24x30 | 80  65  70  65 | 40  30  40  40 | 2.5  2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Fast  Fast  Fast  Fast | Grid  Grid  -  - | Swallow and Naylor, 1986;  Kreel and Paris, 1979 |
| 1970-1979 | AP  AP-open mouth  OBL  Lateral | 90  90  90  90 | 18x24  18x24  18x24  24x30 | 60  60  70  60 | 25  30  40  8 | 2.5  2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Fast  Fast  Fast  Fast | Grid  Grid  -  - | McInnes, 1973 |
| 1960-1969 | AP  AP-open mouth  OBL  Lateral | 90  90  150  150 | 18x24  18x24  18x24  24x30 | 60  80  75  70 | 25  40  20  20 | 2.5  2.5  2.5  2.5 | Ilford Red Seal  Ilford Red Seal  Ilford Red Seal  Ilford Red Seal | Fast  Fast  Fast  Fast | Grid  Grid  -  - | Clark, 1964 |
| 1950-1959 | AP  AP-open mouth  OBL  Lateral | 90  76  120  150 | 20x24  13x18  20x24  20x24 | 65  55  80  60 | 60  40  35  30 | 0.5  0.5  0.5  0.5 | Ilford Standard  Ilford standard  Ilford standard  Ilford standard | Standard  Standard  Standard  Standard | Grid  -  -  - | Clark, 1956 |
| 1940-1949 | AP  AP-open mouth  OBL  Lateral | 120  76  120  152 | 20x24  13x18  20x24  20x24 | 65  65  80  65 | 66  65  234  100 | 0.5  0.5  0.5  0.5 | Ilford  Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate  Tungstate | Potter-Bucky  Potter-Bucky  Potter-Bucky  Potter-Bucky | Clark, 1949 |
| 1930-1939 | AP  AP-open mouth  OBL  Lateral | 120  76  120  152 | 20x24  13x18  20x24  20x24 | 65  65  80  65 | 66  65  234  100 | 0.5  0.5  0.5  0.5 | Ilford  Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate  Tungstate | Potter-Bucky  Potter-Bucky  Potter-Bucky  Potter-Bucky | Clark, 1939 |

asource-to-image receptor distance (cm); bpeak kilovoltage (kV) ; cmilliampere-seconds (mAs); dinformation not provided

SDC5. Technical parameters for ribs radiography.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Period** | **Projections** | **SIDa**  **(cm)** | **Film dimensions**  **(cm)** | **kVb** | **mAsc** | **Total**  **Filtration**  **(mm Al)** | **Film** | **Screen** | **Grid** | **Reference** |
| 2000-2010 | PA  RAOg  LPOg | 110  110  110 | 35x43  35x43  35x43 | 70  70  70 | 32  32  32 | 2.5  2.5  2.5 | -d  -d  -d | Fast  Fast  Fast | Grid  Grid  Grid | Bontrager, 2010; 2005 |
| 1990-1999 | PA  RAOg  LPOg | 110  110  110 | 35x43  35x43  35x43 | 70  70  70 | 32  32  32 | 2.5  2.5  2.5 | -d  -d  -d | Fast  Fast  Fast | Grid  Grid  Grid | Bontrager, 1997; 2001 |
| 1980-1989 | AP 1st to 10th  AP 9th to 12th  OBL  Lateral 1st to 12th | 100  100  100  100 | 35x43  35x43  35x43  35x43 | 75  75  75  80 | 50  80  60  10 | 2.5  2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Standard  Standard  Standard  Standard | Grid  Grid  Grid  Grid | Swallow and Naylor, 1986;  Kreel and Paris, 1979 |
| 1970-1979 | AP 1st to 10th  PA 1st to 10th  AP 9th to 12th  OBL  Lateral 1st to 10th  Lateral 9th to 12th | 90  90  90  90  90  90 | 35x43  35x43  35x43  35x43  35x43  35x43 | 75  80  65  80  80  80 | 20  15  70  15  80  80 | 2.5  2.5  2.5  2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Fast  Fast  Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid  Grid  Grid | McInnes, 1973 |
| 1960-1969 | AP 1st to 10th  PA 1st to 10th  AP 9th to 12th  OBL  Lateral 1st to 10th  Lateral 9th to 12th | 90  90  90  90  90  90 | 35x43  35x43  35x43  35x43  35x43  35x43 | 75  75  65  80  80  80 | 10  10  70  15  80  80 | 2.5  2.5  2.5  2.5  2.5  2.5 | Ilford Red Seal  Ilford Red Seal  Ilford Red Seal  Ilford Red Seal Ilford Red Seal  Ilford Red Seal | Fast  Fast  Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid  Grid  Grid | Clark, 1964 |
| 1950-1959 | AP 1st to 10th  AP 9th to 12th  OBL  Lateral 9th to 12th | 90  90  90  90  90  90  90  90 | 35x43  35 x 43  35x43  35 x 43  35x43  35x43  35 x 43  35 x 43 | 70  70  70  80  70  80  80  85 | 16  8  160  55  16  8  320  80 | 0.5  0.5  0.5  0.5  0.5  0.5  0.5  0.5 | Ilford Standard  Red Seal  Ilford Standard  Red Seal  Ilford Standard  Red Seal  Ilford Standard  Red Seal | Standard  Standard  Standard  Standard  Standard  Standard  Standard  HV | -  -  -  Grid  -  -  Grid  Grid | Clark, 1956 |
| 1940-1949 | AP  PA  OBL | 76  150  76 | 35x43  35x43  35x43 | 65  65  65 | 8  33  16 | 0.5  0.5  0.5 | Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate | -  -  - | Clark, 1949 |
| 1930-1939 | AP  PA  OBL | 76  150  76 | 35x43  35x43  35x43 | 65  65  65 | 8  33  16 | 0.5  0.5  0.5 | Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate | -  -  - | Clark, 1939 |

asource-to-image receptor distance (cm); bpeak kilovoltage (kV) ; cmilliampere-seconds (mAs); dinformation not provided

SDC6. Technical parameters for chest radiography.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Period** | **Projections** | **SIDa**  **(cm)** | **Film dimensions**  **(cm)** | **kVb** | **mAsc** | **Total**  **Filtration**  **(mm Al)** | **Film** | **Screen** | **Grid** | **Reference** |
| 2000-2010 | PA  Lateral | 180  180 | 35x43  35x43 | 110  125 | 3  6 | 2.5  2.5 | -d  -d | Fast  Fast | Grid  Grid | Bontrager, 2010; 2005 |
| 1990-1999 | PA  Lateral | 180  180 | 35x43  35x43 | 110  125 | 3  8 | 2.5  2.5 | -d  -d | Fast  Fast | Grid  Grid | Bontrager, 1997; 2001 |
| 1980-1989 | PA  Lateral | 150  150 | 35x43  35x43 | 65  80 | 12  40 | 2.5  2.5 | Ilford Rapid R  Ilford Rapid R | Fast  Fast | -  Grid | Swallow and Naylor, 1986;  Kreel and Paris, 1979 |
| 1970-1979 | PA  Lateral | 150  150 | 35x43  35x43 | 65  85 | 8  20 | 2.5  2.5 | Ilford Rapid R  Ilford Rapid R | Fast  Fast | -  Gride | McInnes, 1973 |
| 1960-1969 | PA  Lateral | 150  150 | 35x43  35x43 | 65  85 | 8  20 | 2.5  2.5 | Ilford Red Seal  Ilford Red Seal | Fast  Fast | -  Gride | Clark, 1964 |
| 1950-1959 | PA  lateral | 150  150 | 35x43  35x43 | 53  75 | 25  25 | 0.5  0.5 | Ilford standard  Ilford standard | Standard  Standard | -  - | Clark, 1956 |
| 1940-1949 | PA  lateral | 150  150 | 35x43  35x43 | 53  75 | 25  25 | 0.5  0.5 | Ilford  Ilford | Tungstate  Tungstate | -  - | Clark, 1949 |
| 1930-1939 | PA  Lateral | 150  150 | 35x43  35x43 | 53  75 | 20  20 | 0.5  0.5 | Ilford  Ilford | Tungstate  Tungstate | -  - | Clark, 1939 |

asource-to-image receptor distance (cm); bpeak kilovoltage (kV) ; cmilliampere-seconds (mAs); dinformation not provided; egird for lateral projection

SDC7. Technical parameters for thoracic spine radiography.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Period** | **Projections** | **SIDa**  **(cm)** | **Film dimensions**  **(cm)** | **kVb** | **mAsc** | **Total**  **Filtration**  **(mm Al)** | **Film** | **Screen** | **Grid** | **Reference** |
| 2000-2010 | AP  Lateral | 110  110 | 35x43  35x43 | 80  80 | 12  50 | 2.5  2.5 | -d  -d | Fast  Fast | Grid  Grid | Bontrager, 2010; 2005 |
| 1990-1999 | AP  Lateral | 110  110 | 35x43  35x43 | 80  80 | 12  50 | 2.5  2.5 | -d  -d | Fast  Fast | Grid  Grid | Bontrager, 1997; 2001 |
| 1980-1989 | AP  Lateral | 100  100 | 35x43  35x43 | 80  70 | 40  60 | 2.5  2.5 | Ilford Rapid R  Ilford Rapid R | Fast  Fast | Grid  Grid | Swallow and Naylor, 1986;  Kreel and Paris, 1979 |
| 1970-1979 | AP  Laterale | 90  90 | 35x43  35x43 | 85  75 | 30  60 | 2.5  2.5 | Ilford Rapid R  Ilford Rapid R | Fast  Fast | Grid  Grid | McInnes, 1973 |
| 1960-1969 | AP  Lateral | 90  90 | 35x43  35x43 | 85  75 | 25  30 | 2.5  2.5 | Ilford Red Seal  Ilford Red Seal | Fast  Fast | Grid  Grid | Clark, 1964 |
| 1950-1959 | AP  Lateral | 90  90 | 35x43  35x43 | 85  85 | 70  70 | 0.5  0.5 | Ilford Standard  Ilford Standard | Standard  Standard | Grid  Grid | Clark, 1956 |
| 1940-1949 | AP  Lateral | 120  120 | 35x43  35x43 | 65  80 | 120  200 | 0.5  0.5 | Ilford  Ilford | Tungstate  Tungstate | Potter-Bucky  Potter-Bucky | Clark, 1949 |
| 1930-1939 | AP  Lateral | 120  120 | 35x43  35x43 | 65  80 | 200  200 | 0.5  0.5 | Ilford  Ilford | Tungstate  Tungstate | Potter-Bucky  Potter-Bucky | Clark, 1939 |

asource-to-image receptor distance (cm); bpeak kilovoltage (kV) ; cmilliampere-seconds (mAs); dinformation not provided; einformation not

provided in the textbook, it was assumed the same as decade 1980-1989

SDC8. Technical parameters for thoracic/cervical spine radiography.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Period** | **Projections** | **SIDa**  **(cm)** | **Film dimensions**  **(cm)** | **kVb** | **mAsc** | **Total**  **Filtration**  **(mm Al)** | **Film** | **Screen** | **Grid** | **Reference** |
| 2000-2010 | AP Thoracic  Lateral Thoracic  AP Cervical  Lateral Cervical | 110  110  110  160 | 35x43  35x43  18x24  24x30 | 80  80  75  75 | 12  50  15  28 | 2.5  2.5  2.5  2.5 | -d  -d  -d  -d | Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid | Bontrager, 2010; 2005 |
| 1990-1999 | AP Thoracic  Lateral Thoracic  AP Cervical  Lateral Cervical | 110  110  110  160 | 35x43  35x43  18x24  24x30 | 80  80  75  75 | 12  50  15  28 | 2.5  2.5  2.5  2.5 | -d  -d  -d  -d | Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid | Bontrager, 1997; 2001 |
| 1980-1989 | AP Thoracic  Lateral Thoracic  AP Cervical  Lateral Cervical | 100  100  100  180 | 35x43  35x43  18x24  24x30 | 80  70  65  65 | 40  60  30  40 | 2.5  2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Fast  Fast  Fast  Fast | Grid  Grid  Grid  - | Swallow and Naylor, 1986;  Kreel and Paris, 1979 |
| 1970-1979 | AP Thoracic  Lateral Thoracice  AP Cervical  Lateral Cervical | 90  90  90  90 | 35x43  35x43  18x24  24x30 | 85  75  60  60 | 30  60  8  8 | 2.5  2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Fast  Fast  Fast  Fast | Grid  Grid  Grid  - | McInnes, 1973 |
| 1960-1969 | AP Thoracic  Lateral Thoracic  AP Cervical  Lateral Cervical | 90  90  90  90 | 35x43  35x43  18x24  24x30 | 85  75  80  70 | 25  30  40  20 | 2.5  2.5  2.5  2.5 | Ilford Red Seal  Ilford Red Seal  Ilford Red Seal  Ilford Red Seal | Fast  Fast  Fast  Fast | Grid  Grid  Grid  - | Clark, 1964 |
| 1950-1959 | AP Thoracic  Lateral Thoracic  AP Cervical  Lateral Cervical | 90  90  90  150 | 35x43  35x43  13x18  20x24 | 85  85  60  60 | 70  70  40  30 | 0.5  0.5  0.5  0.5 | Ilford Standard  Ilford Standard  Ilford Standard  Ilford Standard | Standard  Standard  Standard  Standard | Grid  Grid  Grid  - | Clark, 1956 |
| 1940-1949 | AP Thoracic  Lateral Thoracic  AP Cervical  Lateral Cervical | 120  120  76  150 | 35x43  35x43  20x24  20x24 | 65  80  65  65 | 120  200  65  100 | 0.5  0.5  0.5  0.5 | Ilford  Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate  Tungstate | Potter-Bucky  Potter-Bucky  Potter-Bucky  Potter-Bucky | Clark, 1949 |
| 1930-1939 | AP Thoracic  Lateral Thoracic  AP Cervical  Lateral Cervical | 120  120  120  152 | 35x43  35x43  18x24  24x30 | 65  80  65  65 | 200  200  65  100 | 0.5  0.5  0.5  0.5 | Ilford  Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate  Tungstate | Potter-Bucky  Potter-Bucky  Potter-Bucky  Potter-Bucky | Clark, 1939 |

asource-to-image receptor distance (cm); bpeak kilovoltage (kV) ; cmilliampere-seconds (mAs); dinformation not provided; einformation not

provided in the textbook, it was assumed the same as decade 1980-1989

SDC9. Technical parameters for thoracic/lumbar spine radiography.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Period** | **Projections** | **SIDa**  **(cm)** | **Film dimensions**  **(cm)** | **kVb** | **mAsc** | **Total**  **Filtration**  **(mm Al)** | **Film** | **Screen** | **Grid** | **Reference** |
| 2000-2010 | AP Thoracic  Lateral Thoracic  AP Lumbar  Lateral Lumbar | 110  110  110  110 | 35x43  35x43  35x43  35x43 | 80  80  80  90 | 12  50  15  50 | 2.5  2.5  2.5  2.5 | -d  -d  -d  -d | Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid | Bontrager, 2010; 2005 |
| 1990-1999 | AP Thoracic  Lateral Thoracic  AP Lumbar  Lateral Lumbar | 110  110  110  110 | 35x43  35x43  35x43  35x43 | 80  80  80  90 | 12  50  15  50 | 2.5  2.5  2.5  2.5 | -d  -d  -d  -d | Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid | Bontrager, 1997; 2001 |
| 1980-1989 | AP Thoracic  Lateral Thoracic  AP Lumbar  Lateral Lumbar | 100  100  100  100 | 35x43  35x43  35x43  35x43 | 80  70  70  90 | 40  60  80  100 | 2.5  2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid | Swallow and Naylor, 1986;  Kreel and Paris, 1979 |
| 1970-1979 | AP Thoracic  Lateral Thoracice  AP Lumbar  Lateral Lumbar | 90  90  90  90 | 35x43  35x43  35x43  35x43 | 85  75  65  85 | 30  60  80  100 | 2.5  2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid | McInnes, 1973 |
| 1960-1969 | AP Thoracic  Lateral Thoracic  AP Lumbar  Lateral Lumbar | 90  90  90  90 | 35x43  35x43  35x43  35x43 | 85  75  65  85 | 25  30  80  100 | 2.5  2.5  2.5  2.5 | Ilford Red seal  Ilford Red seal  Ilford Red seal  Ilford Red seal | Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid | Clark, 1964 |
| 1950-1959 | AP Thoracic  Lateral Thoracic  AP Lumbar  Lateral Lumbar | 90  90  90  90 | 35x43  35x43  35x43  35x43 | 85  85  70  85 | 70  70  160  320 | 0.5  0.5  0.5  0.5 | Ilford Standard  Ilford Standard  Ilford Standard  Ilford Standard | Standard  Standard  Standard  Standard | Grid  Grid  Grid  Grid | Clark, 1956 |
| 1940-1949 | AP Thoracic  Lateral Thoracic  AP Lumbar  Lateral Lumbar | 120  120  120  120 | 35x43  35x43  35x43  35x43 | 65  80  65  80 | 120  200  264  460 | 0.5  0.5  0.5  0.5 | Ilford  Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate  Tungstate | Potter-Bucky  Potter-Bucky  Potter-Bucky  Potter-Bucky | Clark, 1949 |
| 1930-1939 | AP Thoracic  Lateral Thoracic  AP Lumbar  Lateral Lumbar | 120  120  120  120 | 35x43  35x43  35x43  35x43 | 65  80  65  80 | 200  200  264  460 | 0.5  0.5  0.5  0.5 | Ilford  Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate  Tungstate | Potter-Bucky  Potter-Bucky  Potter-Bucky  Potter-Bucky | Clark, 1939 |

asource-to-image receptor distance (cm); bpeak kilovoltage (kV) ; cmilliampere-seconds (mAs); dinformation not provided; einformation not

provided in the textbook, it was assumed the same as decade 1980-1989

SDC10. Technical parameters for lumbar spine radiography.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Period** | **Projections** | **SIDa**  **(cm)** | **Film dimensions**  **(cm)** | **kVb** | **mAsc** | **Total**  **Filtration**  **(mm Al)** | **Film** | **Screen** | **Grid** | **Reference** |
| 2000-2010 | AP  Lateral  LPO  RPO  Lat L5-S1 | 110  110  110  110  110 | 35x43  35x43  35x43  35x43  18x24 | 80 90  85  85  100 | 15  50  15  15  50 | 2.5  2.5  2.5  2.5  2.5 | -d  -d  -d  -d  -d | Fast  Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid  Grid | Bontrager, 2010; 2005  (NEXT) |
| 1990-1999 | AP  Lateral  LPO  RPO  Lat L5-S1 | 110  110  110  110  110 | 35x43  35x43  35x43  35x43  18x24 | 80  90  85  85  100 | 15  50  15  15  50 | 2.5  2.5  2.5  2.5  2.5 | -d  -d  -d  -d  -d | Fast  Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid  Grid | Bontrager, 1997; 2001  (NEXT) |
| 1980-1989 | AP  Lateral  OBL  Lat L5-S1 | 100  100  100  100 | 35x43  35x43  35x43  18x24 | 70  90  75  75 | 80  100  80  80 | 2.5  2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid | Swallow and Naylor, 1986;  Kreel and Paris, 1979 |
| 1970-1979 | AP  Lateral  OBL  Lat L5-S1 | 90  90  90  90 | 35x43  35x43  35x43  18x24 | 65  85  75  70 | 80  100  75  80 | 2.5  2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid | McInnes, 1973 |
| 1960-1969 | AP  Lateral  OBL  Lat L5-S1 | 90  92  92  84 | 30x38  30x38  30x38  18x24 | 65  85  75  90 | 80  100  75  150 | 2.5  2.5  2.5  2.5 | Ilford Red Seal  Ilford Red Seal  Ilford Red Seal  Ilford Red Seal | Fast  Fast  Fast  Fast | Grid  Grid  Grid  Grid | Clark, 1964 |
| 1950-1959 | AP  Lateral  OBL  Lat L5-S1 | 90  90  90  90 | 30x38  30x38  30x38  18x24 | 70  85  75  86 | 160  320  160  220 | 0.5  0.5  0.5  0.5 | Ilford Standard  Ilford Standard  Ilford Standard  Ilford Standard | Standard  Standard  Standard  Standard | Grid  Grid  Grid  Grid | Clark, 1956 |
| 1940-1949 | AP  Lateral  OBL  Lat L5-S1 | 120  120  120  90 | 30x38  30x38  30x38  18x24 | 65  80  76  86 | 264  460  264  264 | 0.5  0.5  0.5  0.5 | Ilford  Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate  Tungstate | Potter-Bucky  Potter-Bucky  Potter-Bucky  Potter-Bucky | Clark, 1949 |
| 1930-1939 | AP  Lateral  OBL  Lat L5-S1 | 120  120  120  90 | 30x38  30x38  30x38  18x24 | 65  80  70  65 | 264  460  264  165 | 0.5  0.5  0.5  0.5 | Ilford  Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate  Tungstate | Potter-Bucky  Potter-Bucky  Potter-Bucky  Potter-Bucky | Clark, 1939 |

asource-to-image receptor distance (cm); bpeak kilovoltage (kV) ; cmilliampere-seconds (mAs); dinformation not provided

SDC11. Technical parameters for lumbosacral spine radiography.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Period** | **Projections** | **SIDa**  **(cm)** | **Film dimensions**  **(cm)** | **kVb** | **mAsc** | **Total**  **Filtration**  **(mm Al)** | **Film** | **Screen** | **Grid** | **Reference** |
| 2000-2010 | AP Lumbar  Lat L5-S1  AP Sacrum | 110  110  110 | 35x43  18x24  24x30 | 80  100  80 | 15  50  15 | 2.5  2.5  2.5 | -d  -d  -d | Fast  Fast  Fast | Grid  Grid  Grid | Bontrager, 2010; 2005 |
| 1990-1999 | AP Lumbar  Lat L5-S1  AP Sacrum | 110  110  110 | 35x43  18x24  24x30 | 80  100  80 | 15  50  15 | 2.5  2.5  2.5 | -d  -d  -d | Fast  Fast  Fast | Grid  Grid  Grid | Bontrager, 1997; 2001 |
| 1980-1989 | AP Lumbar  Lat L5-S1  AP Sacrum | 100  180  100 | 35x43  24x30  24x30 | 80  65  75 | 40  40  80 | 2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Fast  Fast  Fast | Grid  Grid  Grid | Swallow and Naylor, 1986;  Kreel and Paris, 1979 |
| 1970-1979 | AP Lumbar  Lat L5-S1  AP Sacrum | 90  90  90 | 35x43  24x30  24x30 | 85  60  70 | 30  8  80 | 2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Fast  Fast  Fast | Grid  Grid  Grid | McInnes, 1973 |
| 1960-1969 | AP Lumbar  Lat L5-S1  AP Sacrum | 90  90  90 | 35x43  24x30  24x30 | 85  70  70 | 25  20  80 | 2.5  2.5  2.5 | Ilford Red Seal  Ilford Red Seal  Ilford Red Seal | Fast  Fast  Fast | Grid  Grid  Grid | Clark, 1964 |
| 1950-1959 | AP Lumbar  Lat L5-S1  AP Sacrum | 90  150  90 | 35x43  20x24  24x30 | 85  60  70 | 70  30  160 | 0.5  0.5  0.5 | Ilford Standard  Ilford Standard  Ilford Standard | Standard  Standard  Standard | Grid  Grid  Grid | Clark, 1956 |
| 1940-1949 | AP Lumbar  Lat L5-S1  AP Sacrum | 120  150  90 | 35x43  20x24  24x30 | 65  65  65 | 120  100  150 | 0.5  0.5  0.5 | Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate | Potter-Bucky  Potter-Bucky  Potter-Bucky | Clark, 1949 |
| 1930-1939 | AP Lumbar  Lat L5-S1  AP Sacrum | 120  150  90 | 35x43  20x24  24x30 | 65  65  65 | 120  100  150 | 0.5  0.5  0.5 | Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate | Potter-Bucky  Potter-Bucky  Potter-Bucky | Clark, 1939 |

asource-to-image receptor distance (cm); bpeak kilovoltage (kV) ; cmilliampere-seconds (mAs); dinformation not provided

SDC12. Technical parameters for sacrum/coccyx radiography.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Period** | **Projections** | **SIDa**  **(cm)** | **Film dimensions**  **(cm)** | **kVb** | **mAsc** | **Total**  **Filtration**  **(mm Al)** | **Film** | **Screen** | **Grid** | **Reference** |
| 2000-2010 | AP axial sacrum  AP axial coccyx  Lateral | 110  110  110 | 24x30  18x24  24x30 | 80  80  90 | 15  15  55 | 2.5  2.5  2.5 | -d  -d  -d | Fast  Fast  Fast | Grid  Grid  Grid | Bontrager, 2010; 2005 |
| 1990-1999 | AP sacrum  AP coccyx  Lateral | 110  110  110 | 24x30  18x24  24x30 | 80  80  90 | 15  15  55 | 2.5  2.5  2.5 | -d  -d  -d | Fast  Fast  Fast | Grid  Grid  Grid | Bontrager, 1997; 2001 |
| 1980-1989 | AP sacrum  AP coccyx  Lateral | 100  100  100 | 24x30  18x24  24x30 | 75  65  120 | 80  60  80 | 2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Fast  Fast  Fast | Grid  Grid  Grid | Swallow and Naylor, 1986;  Kreel and Paris, 1979 |
| 1970-1979 | AP sacrum  AP coccyx  Lateral | 90  90  90 | 24x30  18x24  24x30 | 70  65  100 | 80  50  120 | 2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Fast  Fast  Fast | Grid  Grid  Grid | McInnes, 1973 |
| 1960-1969 | AP sacrum  AP coccyx  Lateral | 90  90  90 | 24x30  18x24  24x30 | 70  65  90 | 80  50  150 | 2.5  2.5  2.5 | Ilford Red Seal  Ilford Red Seal  Ilford Red Seal | Fast  Fast  Fast | Grid  Grid  Grid | Clark, 1964 |
| 1950-1959 | AP  Lateral  AP | 90  90  90  90 | 24x30  18x24  24x30  24 x 30 | 70  85  70  70 | 160  400  100  50 | 0.5  0.5  0.5  0.5 | Ilford Standard  Ilford Standard  Ilford Standard  Red Seal | Standard  Standard  Standard  Standard | Grid  Grid  Grid  Grid | Clark, 1956 |
| 1940-1949 | AP  Lateral  AP | 90  90  90 | 24x30  18x24  24x30 | 65  86  65 | 150  400  115 | 0.5  0.5  0.5 | Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate | Potter-Bucky  Potter-Bucky  Potter-Bucky | Clark, 1949 |
| 1930-1939 | AP  Lateral  AP | 90  90  90 | 24x30  18x24  24x30 | 65  86  65 | 150  400  115 | 0.5  0.5  0.5 | Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate | Potter-Bucky  Potter-Bucky  Potter-Bucky | Clark, 1939 |

asource-to-image receptor distance (cm); bpeak kilovoltage (kV) ; cmilliampere-seconds (mAs); dinformation not provided

SDC13. Technical parameters for abdomen radiography.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Period** | **Projections** | **SIDa**  **(cm)** | **Film dimensions**  **(cm)** | **kVb** | **mAsc** | **Total**  **Filtration**  **(mm Al)** | **Film** | **Screen** | **Grid** | **Reference** |
| 2010-2000 | AP | 110 | 35x43 | 80 | 22 | 2.5 | -d | Fast | Grid | Bontrager, 2010; 2005 |
| 1999-1990 | AP | 110 | 35x43 | 80 | 22 | 2.5 | -d | Fast | Grid | Bontrager, 1997; 2001 |
| 1989-1980 | AP | 100 | 35x43 | 70 | 50 | 2.5 | Ilford rapid R | Fast | Grid | Swallow and Naylor, 1986;  Kreel and Paris, 1979 |
| 1979-1970 | AP | 90 | 35x43 | 65 | 30 | 2.5 | Ilford rapid R | Fast | Grid | McInnes, 1973 |
| 1960-1969 | AP | 90 | 35x43 | 70 | 30 | 2.5 | Ilford Red Seal | Fast | Grid | Clark, 1964 |
| 1950-1959 | AP | 90 | 35x43 | 70 | 100 | 0.5 | Ilford Standard | Standard | Grid | Clark, 1956 |
| 1940-1949 | AP | 90 | 35x43 | 70 | 100 | 0.5 | Ilford | Tungstate | Potter-Bucky | Clark, 1949 |
| 1930-1939 | AP | 90 | 35x43 | 70 | 100 | 0.5 | Ilford | Tungstate | Potter-Bucky | Clark, 1939 |

asource-to-image receptor distance (cm); bpeak kilovoltage (kV) ; cmilliampere-seconds (mAs); dinformation not provided

SDC14. Technical parameters for pelvis radiography.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Period** | **Projections** | **SIDa**  **(cm)** | **Film dimensions**  **(cm)** | **kVb** | **mAsc** | **Total**  **Filtration**  **(mm Al)** | **Film** | **Screen** | **Grid** | **Reference** |
| 2010-2000 | AP  Frog-leg | 110  110 | 35x43  35x43 | 80  80 | 12  12 | 2.5  2.5 | -d  -d | Fast  Fast | Grid  Grid | Bontrager, 2010; 2005 |
| 1999-1990 | AP  Frog-leg | 110  110 | 35x43  35x43 | 80  80 | 15  15 | 2.5  2.5 | -d  -d | Fast  Fast | Grid  Grid | Bontrager, 1997; 2001 |
| 1989-1980 | AP  Lateral  OBL | 100  100  100 | 35x43  35x43  35x43 | 70  120  70 | 60  100  50 | 2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Fast  Fast  Fast | Grid  Grid  Grid | Swallow and Naylor, 1986;  Kreel and Paris, 1979 |
| 1979-1970 | AP  Lateral  OBL | 90  90  90 | 35x43  35x43  35x43 | 70  90  75 | 60  120  50 | 2.5  2.5  2.5 | Ilford Rapid R  Ilford Rapid R  Ilford Rapid R | Fast  Fast  Fast | Grid  Grid  Grid | McInnes, 1973 |
| 1960-1969 | AP  Lateral  OBL | 90  90  90 | 35x43  35x43  35x43 | 70  90  75 | 60  120  50 | 2.5  2.5  2.5 | Ilford Red Seal  Ilford Red Seal  Ilford Red Seal | Fast  Fast  Fast | Grid  Grid  Grid | Clark, 1964 |
| 1950-1959 | AP  Lateral  OBL | 90  90  90  90  90  90 | 35x43  35 x 43  35x43  35 x 43  35x43  35 x 43 | 70  70  85  85  70  70 | 100  33  480  160  90  30 | 0.5  0.5  0.5  0.5  0.5  0.5 | Ilford Standard  Red Seal  Ilford Standard  Red Seal  Ilford Standard  Red Seal | Standard  HV  Standard  HV  Standard  HV | Grid  Grid  Grid  Grid  Grid  Grid | Clark, 1956 |
| 1940-1949 | AP  Lateral  OBL | 90  70  76  120 | 35x43  35 x 43  35x43  35x43 | 65  70  86  65 | 132  90  274  313 | 0.5  0.5  0.5  0.5 | Ilford  Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate  Tungstate | Potter-Bucky  Stationary  Potter-Bucky  Potter-Bucky | Clark, 1949 |
| 1930-1939 | AP  Lateral  OBL | 90  70  76  120 | 35x43  35 x 43  35x43  35x43 | 65  70  86  65 | 132  90  274  313 | 0.5  0.5  0.5  0.5 | Ilford  Ilford  Ilford  Ilford | Tungstate  Tungstate  Tungstate  Tungstate | Potter-Bucky  Stationary  Potter-Bucky  Potter-Bucky | Clark, 1939 |

a – source-to-image receptor distance (cm); b – peak kilovoltage (kV); c - milliampere-seconds (mAs); d- information not provided