

Comparison with other competitive units

Technique	Effective Dose in microsieverts (ICRP 2007 Tissue Weights)	Dose as days of equivalent Background exposure (2400µSv / years)
KODAK 9000 3D Incisor mandible region*** (70 kV - 10 mA)	4,7	0,7
KODAK 9000 Panoramic*** (70 kV - 10 mA)	7,0	1,1
KODAK 9000 3D Molar maxillary region*** (80 kV - 10 mA)	18,8	2,9
Panoramic* (OrthoPhos Plus DS)	21,6	3,3
Galileos Š** (default exposure)	68,0	10,3
I-CAT** - 9" FOV	70,0	10,6
NewTom3G** - 12" FOV	70,0	10,6
Iluma Š** (1.0mA, 20 sec scan)	111,0	16,9
Galileos Š** (maximum exposure)	125,0	19,0
PreXion 3D Š** (standard exposure)	185,0	28,1
I-CAT - Extended Scan **	248,0	37,7
PreXion 3D Š** (1,024 view scan)	378,0	57,5
CB Mercuray - I FOV** (maxillary)	412,0	62,7
Promax 3D** (small adult)	449,0	68,3
Somaton 64 MRD CT w/ CARE**	554,0	84,3
CB Mercuray - F FOV 10-100** (suggested exposure)	576,0	87,6
CB Mercuray - P FOV**	577,0	87,8
Iluma Š** (3.8 mA, 40 sec scan)	592,0	90,0
Promax 3D (large adult)**	599,0	91,1
Somaton 64 MRD CT**	886,0	134,7
CB Mercuray - F FOV 15-120** (maximum exposure)	1103,0	167,7

* from : Ludlow JB, et al, Dentomaxillofacial Radiology 2003 ; 32 : 229-34
** from : Ludlow JB, Dosimetry of CBCT Units for Oral and Maxillofacial Radiology
*** from : IRSN certified results