

Effective Doses and BERT values for DXA scans performed on the Hologic Discovery A or Horizon A models to be used with protocols using the SAMBA Lab for scanning. 1 day ~ 8 uSieverts

<b>Adult scanning</b>			
<b>Site</b>	<b>Mode</b>	<b>Dose in uSieverts</b>	<b>Dose in BERT</b>
spine	Fast Array	6.7	<1 day
Proximal femur (hip)	Fast Array	4.7	<1 day
combined		11.4	<2 days
Plus whole body		15.6	2days
Plus Forearm		15.7	2 days
Plus VFA lateral		20.7	<3 days
<b>Adult scanning</b>			
		<b>Dose in uSieverts</b>	<b>Dose in BERT</b>
Spine	Array	13.3	<2 days
Proximal Femur(hip)	Array	9.3	<2 days
combined		22.6	<3 days
Plus WB and forearm		26.9	<4 days
Plus VFA lat		31.9	4 days
<b>Adult scans</b>			
	<b>Mode is set</b>		
Whole Body	N/A	4.2	<1 day
forearm	N/A	0.1	<1 day
VFA (IVA lateral)	Single Energy	5	<1 day
VFA (IVA PA)	Single Energy	7	<1 day
Lateral spine	NA	21	<3 days
<b>Pediatric age 5</b>			
	<b>mode</b>	<b>Dose in uSieverts</b>	<b>Dose in BERT</b>
Spine	Fast array	13.7	<2 days
Hip	Fast array	11.1	<2 days
Forearm	NA	0.1	<1 day
Whole body	NA	5.2	<1 day
Combined		30.1	<4 days
<b>Pediatric age 10</b>			
	<b>mode</b>	<b>Dose in uSieverts</b>	<b>Dose in BERT</b>
Spine	Fast array	10.6	<2 days
Hip	Fast array	8.9	<2 days
Forearm	NA	0.1	<1 day
Whole body	NA	4.8	<1 day
combined		24.4	~3 days
<b>Pediatric age 15</b>			
	<b>mode</b>	<b>Dose in uSieverts</b>	<b>Dose in BERT</b>
Spine	Fast array	7.4	<1 day
Hip	Fast array	5.5	<1 day
Forearm	NA	0.1	<1 day
Whole body	NA	4.2	<1 day
combined		17.2	>2 days

**HRpQCT Dose – 5 uSieverts per stack performed.**