





Requisition #:	9900001	Practitioner:	NO PHYSICIAN	
Patient Name:	Report Sample	Date of Collection:	12/01/2022	
Patient Age:	17	Time of Collection:	Not Given	
Sex:	Μ	Print Date:	3/20/2023	
		Report Date:	12/01/2021	

## Vitamin D 25 OH

abolic Marker	Reference Range - ng/mL	Patient Value - ng/mL		
25-Hydroxy D2	2	3.0		
25-Hydroxy D3	3	3.0		
25-Hydroxy D	Total (D2+D3) 40 - 80	3.0 *		
<10 ng/mL	severe deficiency*			
10-39 ng/n	nL mild to moderate deficiency**			
40-80 ng/m	nL optimum levels***			
81-150 ng/	mL toxicity possible****			
>150 ng/m	L toxic levels *****			
* (	Could be associated with osteomalacia or rickets			
** N	May be associated with increased risk of osteoporosis or secondary hyperparathyroidism			
*** (	Optimum levels in the normal population			
	30ng/mL is the lowest reported level associated with to hyperparathyroidism who have normal renal function.	exicity in patients without primary		
V	Most patients with toxicity have levels >150ng/mL. Patients with renal failure can have very high 25-OH-VitD levels without any signs of toxicity, as renal conversion to the active hormone 1, 25-OH-VitD is impaired or absent.			
rather tha widely dep sampling-s	erence ranges represent clinical decision values an population-based reference values. Populat bending on ethnic background, age, geographic eason. Population-based ranges correlate po- issociated with biologically and clinically relevant ue.	ion reference ranges for 25-OH-VitD vary location of the studied populations, and the orly with serum 25-OH-VitD concentrations		
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