

25-Hydroxy Vitamin D Reference Values and Guidelines

Age	nmol/L
0 - <3 months	55 - 168
3 months - <6 months	55 - 165
6 months - <9 months	55 - 161
9 months - <1 year	55 - 158
1 year - <2 years	55 - 152
2 years - <3 years	55 - 146
3 years - <4 years	55 - 142
4 years - <5 years	55 - 139
5 years - <6 years	55 - 136
6 years - <7 years	55 - 133
7 years - <11 years	55 - 131
11 years - <18 years	Not defined
18 years and above	75 - 225

Note: The paediatric reference ranges for children up to 11 years old are based on the TARGeT Kids reference range study (taget.ca). The study did not include data for teenagers.

The following reference comment will appear on all reports:

25-Hydroxy-Vitamin D (Calcidiol) reference ranges:

>600: Excess vitamin D, potential hypercalcemia

<225: Physiologic exposure to ultraviolet light

>75: Desirable optimal to prevent fractures

>55: Normal paediatric (TARGeT Kids)

<40: Insufficient (expected elevated PTH)

<25: Deficient (rickets or osteomalacia)

Conversions: 1 nmol/L = 0.4 ng/mL; 1 ng/mL = 2.5 nmol/L