

Special Chemistry Reference Intervals

Assay	Age	Reference Interval	Interpretation/Comment
Calprotectin, Fecal (CALPR), µg/g	All Ages	N/A	Normal: <50 µg/g
			Borderline: 50-120 µg/g
			Elevated: >120 µg/g
Cyclosporine (CYCLS), ng/mL	All Ages	N/A	No optimal therapeutic range for cyclosporine has been established. Optimal ranges depend on various factors, including the time post-transplant, comedications used, the risk of rejection, and the organ transplanted. Consistent use of one assay is recommended as values vary amongst methodologies.
Cytomegalovirus IgG Antibody (CMVG), U/mL	All Ages	<0.60	Negative: <0.60
			Equivocal: 0.60–0.69
			Positive: >0.69
Cytomegalovirus IgM Antibody (CMVM), AU/mL	All Ages	<30.0	Negative: <30.00
			Equivocal: 30.00–34.90
			Positive: >34.90
C-Peptide (CPEP), ng/mL	All Ages	0.8–4.2	N/A
Elastase, Fecal (SELAS), µg/g	All Ages	N/A	Severe insufficiency: <100 µg/g
			Moderate insufficiency: 100–<200 µg/g
			Normal: >= 200 µg/g
Epstein Barr Virus EBNA Ab (EBNA), U/mL	All Ages	<18.0	Negative: <18.0
			Equivocal: 18.0–21.9
			Positive: >21.9
Epstein Barr Virus EA Ab (EA), U/mL	All Ages	<9.0	Negative: <9.0
			Equivocal: 9.0–10.9
			Positive: >10.9
Epstein Barr Virus VCA IgG Ab (VCG), U/mL	All Ages	<18.0	Negative: <18.0
			Equivocal: 18.0–21.9
			Positive: >21.9
Epstein Barr Virus VCA IgM Ab (VCM), U/mL	All Ages	<36.0	Negative: <36.0
			Equivocal: 36.0–43.9
			Positive: >43.9
Hepatitis A, Total Ab (HAVT), Index	All Ages	Non-Reactive	Non-Reactive: >1.09
			Equivocal: 0.9–1.09
			Reactive: <0.9
Hepatitis A, IgM Ab (HIGM), Index	All Ages	Non-Reactive	Non-Reactive: <0.8
			Equivocal: 0.9–1.09
			Reactive: >1.09
Hepatitis B, Core Total Ab (AHBG), Index	All Ages	Non-Reactive	Non-Reactive: >1.0
			Equivocal: 0.9–1.0
			Reactive: <0.9

Hepatitis B, Core Ab IgM (AHBM), Index	All Ages	Non-Reactive	Non-Reactive: <0.7	
			Equivocal: 0.7–0.8	
			Reactive: >0.8	
Hepatitis B, Surface Ab (AHBS), mIU/mL	All Ages	>10.9	Non-Reactive: <9.0	
			Equivocal: 9.0–10.9	
			Reactive: >10.9	
Hepatitis B, Surface Ag (HBSA), S/Co	All Ages	Non-Reactive	Non-Reactive: <1.00	
			Reactive: >0.9	
Hepatitis C, Ab (HCP), S/Co	All Ages	Non-Reactive	Non-Reactive: <0.80	
			Equivocal: 0.80–0.9	
			Reactive: >0.9	
HIV 1+2Ab/p24 Ag (HIVAA). Index	All Ages	Non-Reactive	Non-Reactive: <1.00	
			Reactive: >0.9	
Herpes Simplex Virus IgG Ab 1 & 2 (HSVGP) Index	All Ages	<0.90	Negative: <0.90	
			Equivocal: 0.90–1.09	
			Positive: >1.09	
Insulin Growth Factor (IGFS), ng/mL	1–2 yrs (F)	10–160	N/A	
	1–2 yrs (M)	10–140		
	>2–3 yrs (F)	15–190		
	>2–3 yrs (M)	15–170		
	>3–4 yrs (F)	15–220		
	>3–4 yrs (M)	15–200		
	>4–5yrs (F)	20–250		
	>4–5yrs (M)	16–230		
	>5–6 yrs (F)	25–300		
	>5–6 yrs (M)	17–270		
	>6–7 yrs (F)	30–340		
	>6–7 yrs (M)	18–310		
	>7–18 yrs (F)	Tanner Stages		
		I (8–12 yrs) 64–358		
		II (8–14 yrs): 9–566		
		III (9–15 yrs): 192–568		
		IV & V (11–18 yrs): 147–646		
	>7–18 yrs (M)	Tanner Stages		
		I (8–12 yrs): 52–391		
		II & III (8–16 yrs): 39–648		
		IV & V (11–18 yrs): 144–673		
	>18–20 yrs (F)	100–400		
	>18–20 yrs (M)	130–400		
	>20–30 yrs (F)	100–350		
	>20–30 yrs (M)	80–340		
	>30–40yrs (F)	90–280		
	>30–40yrs (M)	80–240		
>40–50 yrs (F)	70–270			
>40–50 yrs (M)	80–240			
>50–60yrs (F)	50–240			
>50–60yrs (M)	70–240			
>60–70 yrs (F)	40–240			
>60–70 yrs (M)	50–240			
>70–80 yrs (F)	25–240			
>70–80 yrs (M)	25–240			

Insulin (INSU), uIU/mL	All Ages	3.2–16.3	N/A
Rubeola Measles IgG Ab (ROVA), AU/mL	All Ages	>16.4	Negative: <13.5
			Equivocal: 13.5–16.4
			Positive: >16.4
Mumps IgG Ab (MUVA), AU/mL	All Ages	>10.9	Negative: <9.0
			Equivocal: 9.0–10.9
			Positive: >10.9
Rubella IgG Ab (RUBG), IU/mL	All Ages	>0.99	Negative: <0.90
			Equivocal: 0.90–0.99
			Positive: >0.99
Toxoplasma IgG Ab (TOXG), IU/mL	All Ages	<7.2	Negative: <7.2
			Equivocal: 7.2–8.7
			Positive: >8.7
Toxoplasma IgM Ab (TOXM), AU/mL	All Ages	<8.0	Negative: <8.0
			Equivocal: 8.0–9.9
			Positive: >9.9
Sirolimus (SIROL), ng/mL	All Ages	N/A	No optimal therapeutic range for sirolimus has been established. Optimal ranges depend on various factors, including the time post-transplant, comedications used, the risk of rejection, and the organ transplanted. Consistent use of one assay is recommended as values vary amongst methodologies.
Syphilis Screen (SYPHL), Index	All Ages	Non-Reactive	Non-Reactive: <0.9
			Indeterminate: 0.9–1.0
			Reactive: >1.0
Varicella Zoster IgG Ab (HZVA), Index	All Ages	>164.0	Negative: <135.0
			Equivocal: 135.0–164.0
			Positive: >164.0
Vitamin D, 1,25 Di-OH (VD1), pg/mL	All Ages	19.9–79.3	N/A
Vitamin D, 25-OH Total (VTD), ng/mL	All Ages	30–100	N/A

Updated: 5/30/24