

DAIDS Grading for Laboratory-toxicity



Laboratory Toxicity Value for Adults

ULN = Upper Limit of Normal

LLN = Lower Limit of Normal

AE		MILD	MODERATE	SEVERE	POTENTIALLY LIFE THREATENING
Hemoglobin, Low (g/dL) (male)		10.0 to 10.9	9.0 to < 10.0	7.0 to < 9.0	< 7.0
Hemoglobin, Low (g/dL) (female)		9.5 to 10.4	8.5 to < 9.5	6.5 to < 8.5	< 6.5
WBC, Low (cells/mm ³)		2,000 to 2,499	1,500 to 1,999	1,000 to 1,499	< 1,000
Absolute Neutrophil Count (ANC), Low (cells/mm ³)		800 to 1,000	600 to 799	400 to 599	< 400
Blood Sugar (hyperglycaemia) (mg/dL)	Fasting	110 to 125	> 125 to 250	> 250 to 500	> 500
	Without fasting	116 to 160	> 160 to 250	> 250 to 500	> 500
Blood Sugar (hypoglycaemia) (mg/dL)		55 to 64	40 to < 55	30 to < 40	< 30
Potassium, High (mEq/L)		5.6 to < 6.0	6.0 to < 6.5	6.5 to < 7.0	≥ 7.0
Potassium, Low (mEq/L)		3.0 to < 3.4	2.5 to < 3.0	2.0 to < 2.5	< 2.0
Sodium, High (mEq/L)		146 to < 150	150 to < 154	154 to < 160	≥ 160
Sodium, Low (mEq/L)		130 to < 135	125 to < 130	121 to < 125	≤ 120
Magnesium, Low (mEq/L)		1.2 to < 1.4	0.9 to < 1.2	0.6 to < 0.9	< 0.6

AE	MILD	MODERATE	SEVERE	POTENTIALLY LIFE THREATENING
Calcium, Low (mg/dL)	7.8 to < 8.4	7.0 to < 7.8	6.1 to < 7.0	< 6.1
Calcium, High (mg/dL)	10.6 to < 11.5	11.5 to < 12.5	12.5 to < 13.5	≥ 13.5
Uric Acid, High (mg/dL)	7.5 to < 10.0	10.0 to < 12.0	12.0 to < 15.0	≥ 15.0
Bicarbonate, Low (mEq/L)	16.0 to < LLN	11.0 to < 16.0	8.0 to < 11.0	< 8.0
ALT or SGPT, High	1.25 to < 2.5 x ULN	2.5 to < 5.0 x ULN	5.0 to < 10.0 x ULN	≥ 10.0 x ULN
AST or SGOT, High	1.25 to < 2.5 x ULN	2.5 to < 5.0 x ULN	5.0 to < 10.0 x ULN	≥ 10.0 x ULN
Alkalosis	NA	pH > ULN to ≤ 7.5	pH > 7.5 without life-threatening consequences	pH > 7.5 with life-threatening consequences
Alkaline Phosphatase, High	1.25 to < 2.5 x ULN	2.5 to < 5.0 x ULN	5.0 to < 10.0 x ULN	≥ 10.0 x ULN
Amylase, High	1.1 to < 1.5 x ULN	1.5 to < 3.0 x ULN	3.0 to < 5.0 x ULN	≥ 5.0 x ULN
Bilirubin (Direct Bilirubin), High	NA	NA	<ul style="list-style-type: none"> • > ULN • but no life threatening signs & symptoms of liver failure 	<ul style="list-style-type: none"> • > ULN • with life-threatening signs and symptoms of liver failure
Total Bilirubin, High	1.1 to < 1.6 x ULN	1.6 to < 2.6 x ULN	2.6 to < 5.0 x ULN	≥ 5.0 x ULN
Lipase, High	1.1 to < 1.5 x ULN	1.5 to < 3.0 x ULN	3.0 to < 5.0 x ULN	≥ 5.0 x ULN
Creatinine, High	1.1 to 1.3 x ULN	<ul style="list-style-type: none"> • > 1.3 to 1.8 x ULN OR • increase of > 0.3 mg/dL above baseline 	<ul style="list-style-type: none"> • > 1.8 to < 3.5 x ULN OR • increase of 1.5 to < 2.0 x above baseline 	<ul style="list-style-type: none"> • ≥ 3.5 x ULN OR • increase of ≥ 2.0 x above baseline
Creatinine Clearance - Low or eGFR, low	<ul style="list-style-type: none"> • Creatinine clearance <90 mL/min but asymptomatic 	<ul style="list-style-type: none"> • < 90 to 60 ml/min or 10 to < 30% decrease from baseline • & symptomatic (decreased urine output, loss of appetite) 	<ul style="list-style-type: none"> • < 60 to 30 ml/min or 30 to < 50% decrease from baseline and • Fatigue Fluid retention puffiness of eyes, nausea & vomiting 	<ul style="list-style-type: none"> • < 30 ml/min OR ≥ 50% decrease from baseline and • No urine (Anuria), fluid retention, swelling of feet, shortness of breath, semiconscious and need dialysis

*Adapted from Division of AIDS (DAIDS) Table for Grading the Severity of Adult and Pediatric Adverse Events, Version 2.0, November 2014 (Division of AIDS, National Institute of Allergy and Infectious Diseases, National Institutes of Health; US Department of Health & Human Services).