

Record High & Low Laboratory Values

LAC+USC Medical Center and Keck Hospital

Age	104 years old (Kim-Thuy Truong '13/Ken Lue '12) 24 weeks GA (Christopher Parrish '11)
Temperature	107.8°F (Joyce Limurti '13) 79.5°F (David Cao '11)
Pulse	12 bpm (Trushna Patel '13)
Blood pressure	280/120 mm Hg (R. Dhawan '12/M. Lam '13)
Weight	450 lbs. (Linda Lam '12)
BMI	92.4 kg/m ² (Caroline Piatek/Rahul Dhawan '12) 10.1 kg/m ² (Bryan Chen '17)
pH	7.72 (Prabhat Mukerjee '12) 6.79 (Adam Kreitenberg '13)
pCO2	>110 mm Hg (George Holman '10)
Sodium	>180 mEq/L (Jo Fleming '13) 94 mEq/L (George Holman '10)
Potassium	9.9 mEq/L (Matt Johnson '13) 1.9 mEq/L (Shanshan Liu '12)
Chloride	140 mEq/L (Alexander Madonis '12) 51 mEq/L (Thomas E. Kelly '13)
Bicarbonate	>50 mEq/L (Shanshan Liu '12) 4 mEq/L (Joyce Limurti '13)
BUN	>280 mg/dL (George Holman '10) <2 mg/dL (Andrew Young '11)
Creatinine	34.89 mg/dL (Stefan Nguyen '20) 0.19 mg/dL (Alexander Madonis '12)

Glucose	1650 mg/dL (Stephen Chen '11) 2 mg/dL (Jason Brotherton '13)
Anion Gap	56 (Andrew Young '11)
Osmolal Gap	177 (Sonia Lin '16, Karin Wu '17)
Calcium	26.6 mg/dL (Alexander Madonis '12) 4.1 mg/dL (Eddie Thara '11/Yin Zhang '13)
Magnesium	5.4 mg/dL (Haig Aharonian '14) 0.7 mg/dL (Allison Collen '11)
Phosphorous	18.7 mg/dL (Jiken Bhatt '17) 0.3 mg/dL (Alexander Madonis '12)
Alk phos	>4800 U/L (Jaymica Patel '13) 43 U/L (Kenneth Lue '12)
Total Protein	18.2 g/dL (Andrew Young '11) 2.3 g/dL (Alexander Madonis '12)
Albumin	5.4 2 g/dL (Alexander Madonis '12) 1.2 2 g/dL (Alexander Madonis '12)
AST	16,900 U/L (Alexander Madonis '12) 9 U/L (Alexander Madonis '12, Jason Lucas '15)
ALT	5753 U/L (Eric Stone '17) 4 U/L (Nazish Ahmad '11, Jason Lucas '15)
Total bilirubin	54.6 (Anabel Hugh '15) 0.1 (Zaree Babakhanian '11)
Direct bilirubin	37.8 mg/dL (Alexander Madonis '12)
Indirect bilirubin	15.2 mg/dL (Alexander Madonis '12)
WBC	761 x 10 ³ /mm ³ (Jennifer Sicalo '14) <0.5 x 10 ³ /mm ³ (Alexander Madonis '12)

Record High & Low Laboratory Values

LAC+USC Medical Center and Keck Hospital

Hgb 22.7 g/dL (Ravi Patel '16, Brian Lee '16)
1.8 g/dL (George Holman '10)

Hematocrit 68.5 % (Ravi Patel '16, Brian Lee '16)

Platelets 2,691 x 10³/mm³ (Jordan Rees '19)
1x 10³/mm³ (Jose Luis Hernandez '12)

MCV 143 fL (Alexander Madonis '12)
48 fL (Kenneth Lue '12)

RDW 40 % (Christopher Parrish '11)

%Lymphocytes 82% (Arta Bakshandeh '11)

%Monocytes 58% (Alexander Madonis '12)

%Eosinophils 79 % (Behzad Yashar '12)

ANC 85 (Pradeep Doddamreddy '13)

ALC 82 (Arta Bakshandeh '11)

AMC 32,000 (Alexander Madonis '12)

AEC 33.1 (Behzad Yashar '12)

Abs Retic Count 769.46 x 10³/mm³ (Ken Stern '17)

Retic Count 23.88 % (Bryan Chen '17)
0 % (Alexander Madonis '12)

INR 14 (Taib Rawi '10)

PT >100 (Stephen Chen '11)

Fibrinogen 644 mg/dL (Alexander Madonis '12)
48 mg/dL (Haig Aharonian '14/Amanda Binns '13)

LDH 26,940 IU/L (Alexander Madonis '12)

Ferritin >100,000 (Julian McLain '21)
<3 ng/mL (Kenneth Lue '12)

Serum iron 240 µg/dL (Michael Mullaney '11)
5 µg/dL (Michael Mullaney '11)

Iron saturation 100% (Alexander Madonis '12)
1% (Michael Mullaney '11)

Homocysteine 79.2 µmol/L (Alan Naim '16)

MMA 22,890 µg/dL/L (Alan Naim '16)

Uric Acid 26.5 mg/dL (Krisstina Gowin '12/Sonia Ali '13)

BNP >70,000 pg/mL (Stephen Chen '11)

Tot Cholesterol 1430 mg/dL (Gilmer Youn '12)
39 mg/dL (Jaymica Patel '13)

Triglyceride >5500 mg/dL (Gilmer Youn '12)
22 mg/dL (Alexander Madonis '12)

HDL 121 mg/dL (Joyce Limurti '13)
3 mg/dL (Alexander Madonis '12)

LDL 559 mg/dL (Matt Soong '14)
1 mg/dL (Jaymica Patel '13)

HgA1c >19.3% (Tim Vossler '16)
3.9% (Bikram Padda '13)

TSH 2,154 µU/mL (Christina Yen, '18)
<0.01 µU/mL (Alexander Madonis '12)

Total T4 26.1 µg/dL (Alexander Madonis '12)

Record High & Low Laboratory Values

LAC+USC Medical Center and Keck Hospital

Free T4	>7.77 ng/dL (Alexander Madonis '12) <0.03 ng/dL (Alexander Madonis '12)
PTH	2908 pg/mL (Karen Tsai '20, Michael Dittmar '22), 2 pg/mL (Trevor Angell '12)
Vitamin D	105 ng/mL (Alexander Madonis '12)
F testosterone	411 ng/dL (female pt) (Madonis '12) 3.4 ng/dL (male pt) Alexander Madonis '12)
T testosterone	34 ng/dL (male pt) (Alexander Madonis '12)
Prolactin	2914 ng/mL (Andrew Young '11)
PSA	2625 µg/L (Jaymica Patel '13)
AFP	1,622,000 ng/mL (Kurtis Kaminishi '14)
CA 19-9	450,000 (Victor Lin '20/Vivian Ning '20/ Ravi Patel '16)
Serum Ethanol	570 mg/dL (George Holman '10)
Amylase	1080 U/L (Alexander Madonis '12)
Lipase	>6300 U/L (Eddie Thara '11)
Serum Osm	513 mOsm/kg (Sonia Lin '16, Karin Wu '17)
Lactic acid	26.1 mg/dL (Andrew Young '11)
Troponin	119 µg/L (Christiane Abouzeid '16, Meena Zareh '16)
CK	264,660 IU/L (Bryan Chen '17)
ESR	>140 mm/h (Alexander Madonis '12)

CRP	708.6 mg/L (Thiri Oo '12)
ANA	1:2560 (Alexander Madonis '12)
Anti-DS DNA	1:10240 (CJ Duffaut '11)
Complement C3	24 mg/dL (Jaymica Patel '13)
Complement C4	2.3 mg/dL (Jaymica Patel '13)
Rheum factor	497 IU/mL (Alexander Madonis '12)
Globulin Gap	8.6 (Alexander Madonis '12)
Serum IgE	21,117 mg/dL (Alexander Madonis '12)
Serum IgG	8037 mg/dL (Alexander Madonis '12)
CA-125	686 U/mL (Michael Karp '02)
Urine Potassium	13.2 mEq/L (Alexander Madonis '12)
Procalcitonin	>100 ng/mL (Karen Tsai '20)
CD4 count	1 cells/mm ³ (Jose Luis Hernandez '12) 2138 cells/mm ³ (Arta Bakshandeh '11)
Crypto AgS	1:256 (Alexander Madonis '12)
HBV DNA	>640,200,000 IU/mL (David Cao '10)
HCV RNA	22,622,130 IU/mL (Brian Lee '16)
CSF WBC	3430 cells/µL (Alexander Madonis '12)
CSF Protein	1098 mg/dL (Haig Aharonian '14)
Ejection Fraction (TTE)	8% (Adam Kreitenberg '13)
Highest Pulmonary Artery Pressure:	

Record High & Low Laboratory Values

LAC+USC Medical Center and Keck Hospital

145/65 (mean 92) mmHg (Christopher Parrish '11)

Most blood products received in one day:

91 units PRBC, 67 units FFP, & 46 units platelets
(Erin Newman '12 – surgical patient but cardiology consulted for elevated troponin)

Most family members in a family meeting:

29 people (Pamelyn Close)

Most liters of Go-Lytely given to patient in preparation for Colonoscopy:

37 liters (Alexander Madonis '12)

Most Resistant Organism: (Alexander Madonis '12)

Acenitobacter-calcoaceticus-baumannii complex

Ampicillin-Sulbactam:	>=32 Resistant
Cefepime:	>=64 Resistant
Ceftazidime:	>=64 Resistant
Ceftriaxone:	>=64 Resistant
Ciprofloxacin:	>=4 Resistant
Gentamicin:	>=16 Resistant
Imipenem:	>=16 Resistant
Levofloxacin:	>=8 Resistant
Tazobactam:	>=128 Resistant
Piperacillin-Tobramycin:	>=16 Resistant
TMP-SMZ:	>=320 Resistant
Tetracycline:	>=16 Resistant
Cefotaxime:	>=64 Resistant
Tigecycline:	>=8 Resistant
Colistin:	0.125 Susceptible