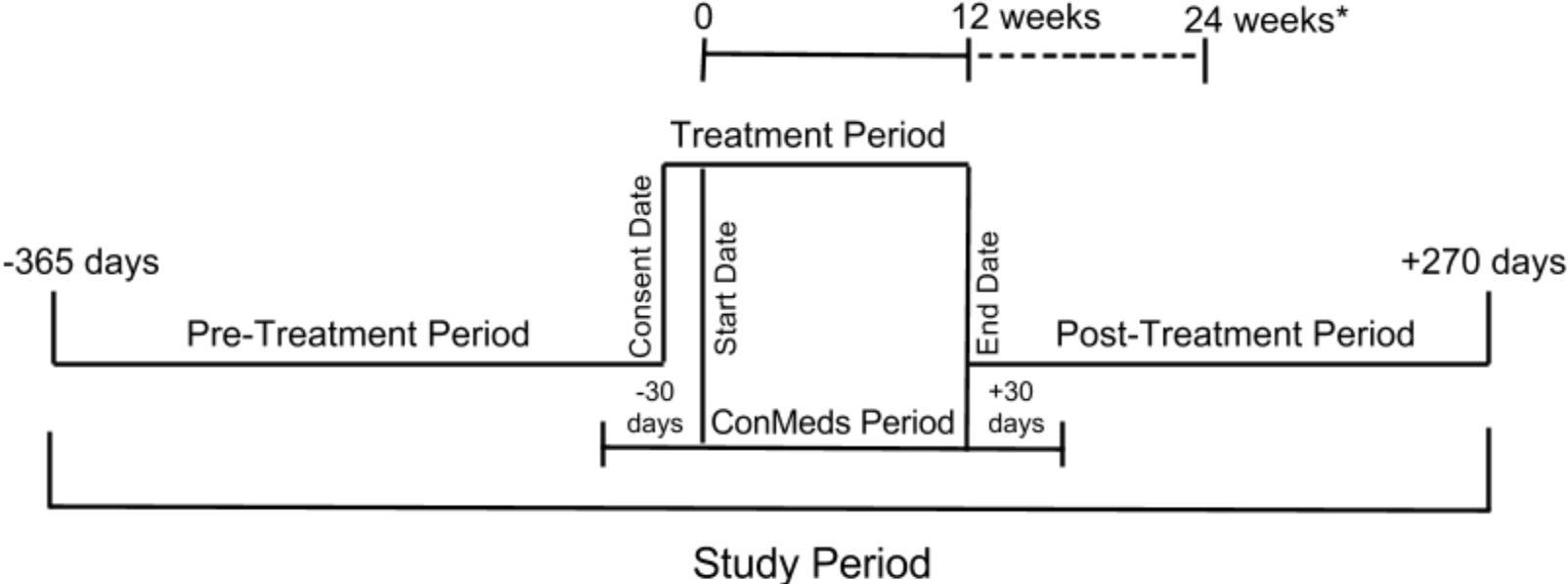


Study Periods



*Treatment is typically 12 weeks but may extend to 24 depending on HCV status in study participant.

Labs grouped by panel

CBC: White Blood Cell Count (LOINC 26464-8) WBC (LOINC 26464-8) Neutrophils (LOINC 26511-6) Neutrophils Relative Percent (LOINC 26511-6) Neutrophils Absolute Count (LOINC 26499-4) Platelet Count (LOINC 26515-7) Lymphocytes Absolute Count (LOINC 26474-7) Lymphocytes (LOINC 26474-7) Hemoglobin (LOINC 785-6)	INR: INR (LOINC 34714-6)
Chemistry: Bilirubin Total (LOINC 1975-2) Bilirubin Direct (LOINC 1968-7) ALT SGPT (LOINC 1742-6) AST SGOT (LOINC 1920-8) Albumin (LOINC 1751-7) Creatinine (LOINC 2160-0) Glucose (LOINC 2339-0) Potassium (LOINC 6298-4) Sodium (LOINC 2947-0)	HCV RNA: HCV RNA Quantitative Real Time PCR (LOINC 11011-4) Hepatitis C RNA-PCR – Quant (LOINC 11011-4) Heptimax (R) HCV RNA (LOINC 11011-4) Hepatitis C Quantitation (LOINC 11011-4) HCV Qualitative (LOINC 11011-4)

Sample Data for fake study id 999-0262 expected in output.csv (Fake data not from any actual patient)

"NAME","COMPONENT_ID","ORD_VALUE","REFERENCE_LOW","REFERENCE_HIGH","REFERENCE_UNIT","SPECIMN_TAKEN_TIME","RESULT_DATE","STUDY_ID"

"NEUTROPHILS ABSOLUTE COUNT","1558101","2.2","1.8","7.8","x10E3/uL","2112-11-14 16:54:00","2112-11-20 00:00:00","999-0262"

"LYMPHOCYTES ABSOLUTE COUNT","1534444","1.1","0.7","4.5","x10E3/uL","2112-11-14 16:54:00","2112-11-17 00:00:00","999-0262"

"BILIRUBIN TOTAL","1534076","0.0","0.0","1.2","mg/dL","2112-11-14 16:54:00","2112-11-17 00:00:00","999-0262"

"AST (SGOT)","1526000","71.1","0","40","IU/L","2112-11-14 16:54:00","2112-11-19 00:00:00","999-0262"

"ALT (SGPT)","1525870","75.5","0","32","IU/L","2112-11-14 16:54:00","2112-11-14 00:00:00","999-0262"

"WHITE BLOOD CELL COUNT","1577876","12.2","4.0","10.0","thou/cu mm","2114-09-23 12:29:00","2114-09-24 00:00:00","999-0262"

"HEMOGLOBIN","1534435","14.4","12.0","16.0","g/dL","2114-09-23 12:29:00","2114-09-23 00:00:00","999-0262"

"NEUTROPHILS RELATIVE PERCENT","1539315","58.8","40","74","%","2112-11-14 16:54:00","2112-11-21 00:00:00","999-0262"

"PLATELET COUNT","1577116","204.4","140","415","x10E3/uL","2112-11-14 16:54:00","2112-11-17 00:00:00","999-0262"

"HEMOGLOBIN","1534435","12.2","11.1","15.9","g/dL","2112-11-14 16:54:00","2112-11-16 00:00:00","999-0262"

"WHITE BLOOD CELL COUNT","1577876","5.5","4.0","10.5","x10E3/uL","2112-11-14 16:54:00","2112-11-19 00:00:00","999-0262"

"PLATELET COUNT","1009","362.2","150","450","thou/cu mm","2114-09-23 12:29:00","2114-09-26 00:00:00","999-0262"

"NEUTROPHILS RELATIVE PERCENT","1539315","88.8","40.0","80.0","%","2114-09-23 12:29:00","2114-09-28 00:00:00","999-0262"

"BILIRUBIN DIRECT","1558221","0.0","0.00","0.40","mg/dL","2112-11-14 16:54:00","2112-11-14 00:00:00","999-0262"

"NEUTROPHILS ABSOLUTE COUNT","1558101","10.0","1.70","7.00","thou/cu mm","2114-09-23 12:29:00","2114-09-28 00:00:00","999-0262"

"LYMPHOCYTES ABSOLUTE COUNT","1534444","1.1","1.00","3.20","thou/cu mm","2114-09-23 12:29:00","2114-09-23 00:00:00","999-0262"

"ALBUMIN","1810650","3.3","3.5","5.0","g/dL","2114-09-23 12:29:00","2114-09-30 00:00:00","999-0262"

"BILIRUBIN TOTAL","1534076","0.0","0.0","1.0","mg/dL","2114-09-23 12:29:00","2114-09-27 00:00:00","999-0262"

"BILIRUBIN DIRECT","1558221","<0.2","0.0","0.2","mg/dL","2114-09-23 12:29:00","2114-09-29 00:00:00","999-0262"

"AST (SGOT)","1526000","40.0","0","37","U/L","2114-09-23 12:29:00","2114-09-27 00:00:00","999-0262"

"ALT (SGPT)","1525870","52.2","0","41","U/L","2114-09-23 12:29:00","2114-09-27 00:00:00","999-0262"

"WHITE BLOOD CELL COUNT","1577876","5.5","3.8","10.8","Thousand/uL","2115-04-26 12:13:00","2115-04-29 00:00:00","999-0262"

"HEMOGLOBIN","1534435","10.0","11.7","15.5","g/dL","2115-04-26 12:13:00","2115-04-27 00:00:00","999-0262"

"PLATELET COUNT","1577116","219.9","140","400","Thousand/uL","2115-04-26 12:13:00","2115-04-26 00:00:00","999-0262"

"NEUTROPHILS ABSOLUTE COUNT","1558101","3857.7","1500","7800","cells/uL","2115-04-26 12:13:00","2115-04-28 00:00:00","999-0262"

"LYMPHOCYTES ABSOLUTE COUNT","1534444","1434.4","850","3900","cells/uL","2115-04-26 12:13:00","2115-05-03 00:00:00","999-0262"

"NEUTROPHILS","913","68.8","","","%","2115-04-26 12:13:00","2115-05-03 00:00:00","999-0262"

"LYMPHOCYTES","918","21.1","","","%","2115-04-26 12:13:00","2115-04-30 00:00:00","999-0262"

"BILIRUBIN TOTAL","1534076","0.0","0.2","1.2","mg/dL","2115-04-26 12:13:00","2115-05-01 00:00:00","999-0262"

"BILIRUBIN DIRECT","1558221","0.0","","","mg/dL","2115-04-26 12:13:00","2115-04-26 00:00:00","999-0262"

"AST (SGOT)","1526000","65","10","30","U/L","2115-04-26 12:13:00","2115-04-27 00:00:00","999-0262"
"ALT (SGPT)","1525870","70.0","6","29","U/L","2115-04-26 12:13:00","2115-05-03 00:00:00","999-0262"
"GLUCOSE","1510655","128.8","65","99","mg/dL","2115-04-26 12:13:00","2115-05-01 00:00:00","999-0262"
"CREATININE","1526296","0.0","0.50","1.10","mg/dL","2115-04-26 12:13:00","2115-04-30 00:00:00","999-0262"
"SODIUM","1534098","145.5","135","146","mmol/L","2115-04-26 12:13:00","2115-04-30 00:00:00","999-0262"
"POTASSIUM","1534081","4.4","3.5","5.3","mmol/L","2115-04-26 12:13:00","2115-05-02 00:00:00","999-0262"
"GLUCOSE","968","105.5","","","","2013-12-11 00:00:00","999-0262"
"HEMOGLOBIN","1534435","8.8","12.0","16.0","g/dL","","2013-12-11 00:00:00","999-0262"
"WBC","999","4.4","","","","2013-12-11 00:00:00","999-0262"
"PLATELET COUNT","1009","258.8","","","","2013-12-11 00:00:00","999-0262"
"ALBUMIN","1810650","2.2","","","","2013-12-11 00:00:00","999-0262"
"BILIRUBIN TOTAL","1534076","0.0","","","","2013-12-11 00:00:00","999-0262"
"BILIRUBIN DIRECT","1558221","0.0","","","","2013-12-11 00:00:00","999-0262"
"POTASSIUM","971","3.3","","","","2013-12-11 00:00:00","999-0262"
"SODIUM","1534098","162.2","137","147","mmol/L","","2013-12-11 00:00:00","999-0262"
"AST (SGOT)","1526000","48","13","35","U/L","","2013-12-11 00:00:00","999-0262"
"ALT (SGPT)","1525870","78.8","7","35","U/L","","2013-12-11 00:00:00","999-0262"
"HCV RNA QUANTITATIVE REAL TIME PCR","1230","165338.8","","","IU/mL","2111-01-13 09:18:00","2111-01-14 00:00:00","999-0262"
"WHITE BLOOD CELL COUNT","1577876","13.3","3.8","10.8","Thousand/uL","2113-08-23 03:40:00","2113-08-25 00:00:00","999-0262"
"HEMOGLOBIN","1534435","10.0","11.7","15.5","g/dL","2113-08-23 03:40:00","2113-08-27 00:00:00","999-0262"
"PLATELET COUNT","1577116","354.4","140","400","Thousand/uL","2113-08-23 03:40:00","2113-08-28 00:00:00","999-0262"
"NEUTROPHILS ABSOLUTE COUNT","1558101","8421.1","1500","7800","cells/uL","2113-08-23 03:40:00","2113-08-29 00:00:00","999-0262"
"LYMPHOCYTES ABSOLUTE COUNT","1534444","2352.2","850","3900","cells/uL","2113-08-23 03:40:00","2113-08-27 00:00:00","999-0262"
"NEUTROPHILS","913","64.4","","","%","2113-08-23 03:40:00","2113-08-29 00:00:00","999-0262"
"LYMPHOCYTES","918","20.0","","","%","2113-08-23 03:40:00","2113-08-29 00:00:00","999-0262"
"BILIRUBIN TOTAL","1534076","0.0","0.2","1.2","mg/dL","2113-08-23 03:40:00","2113-08-26 00:00:00","999-0262"
"BILIRUBIN DIRECT","1558221","0.0","","","mg/dL","2113-08-23 03:40:00","2113-08-25 00:00:00","999-0262"
"AST (SGOT)","1526000","15","10","30","U/L","2113-08-23 03:40:00","2113-08-29 00:00:00","999-0262"
"ALT (SGPT)","1525870","13.3","6","29","U/L","2113-08-23 03:40:00","2113-08-25 00:00:00","999-0262"
"GLUCOSE","1510655","96.6","65","99","mg/dL","2113-08-23 03:40:00","2113-08-26 00:00:00","999-0262"
"CREATININE","1526296","0.0","0.50","1.10","mg/dL","2113-08-23 03:40:00","2113-08-30 00:00:00","999-0262"
"SODIUM","1534098","122.2","135","146","mmol/L","2113-08-23 03:40:00","2113-08-24 00:00:00","999-0262"
"POTASSIUM","1534081","3.3","3.5","5.3","mmol/L","2113-08-23 03:40:00","2113-08-23 00:00:00","999-0262"
"HCV RNA QUANTITATIVE REAL TIME PCR","1230","121","","","IU/mL","2113-08-23 03:40:00","2113-08-30 00:00:00","999-0262"
"HCV RNA QUANTITATIVE REAL TIME PCR","1230","14.4","","","IU/mL","2114-12-20 15:41:00","2114-12-21 00:00:00","999-0262"