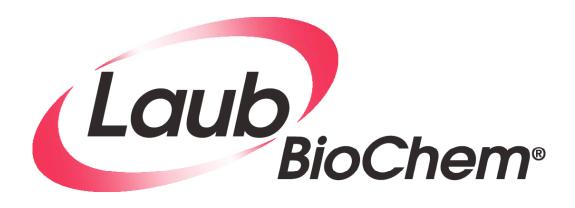
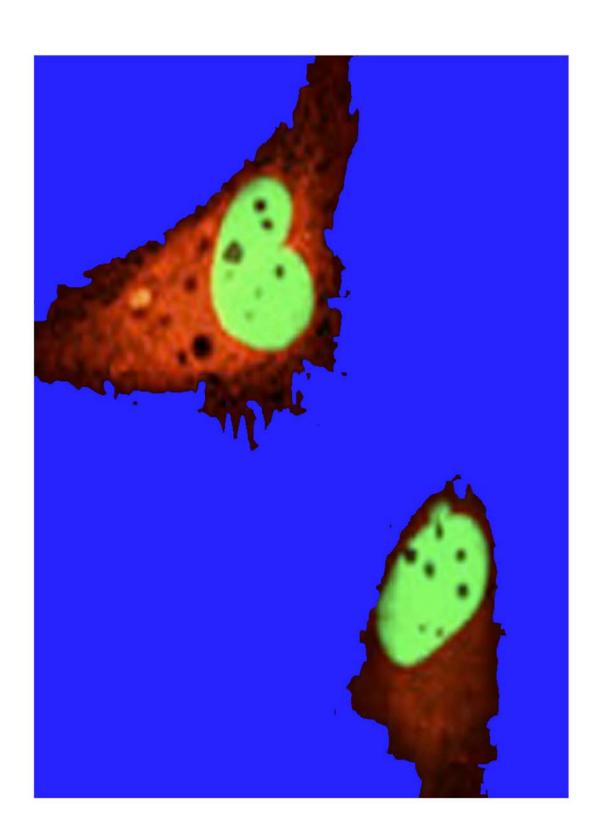
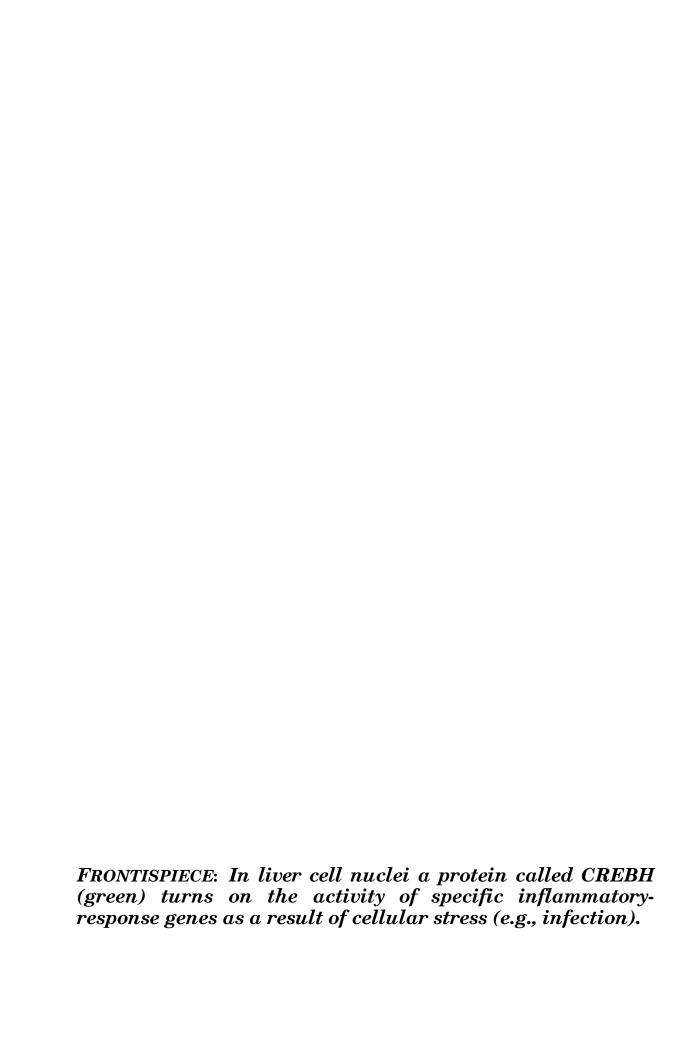
HUMIC ACID

EFFICACY FOR TREATMENT OF CHRONIC HEPATITIS C



Laub BioChemicals Corporation 1401 Quail St., Suite 121 Newport Beach, CA 92660





Forward

This Report documents the progression of hepatitis C in a patient treated specifically for this disease. The origin of the infection is unclear, although notes indicate that the patient suffered from chronic hepatitis C. A liver biopsy confirmed the presence of hepatitis C and associated mild liver inflammatory activity (grade 2/4). Following biopsy, treatment consisting of weekly injections of pegylated interferon alpha-2a ("Pegasys") in conjunction with the administration of ribavirin and humic acid was initiated.

Interferon was begun following the initial diagnosis, and was continued thereafter once per week for 9 months.

Ribavirin treatment (200 mg/tablet) was begun simultaneously with interferon administration. The dose was 3 tablets in the morning and 3 tablets in the evening, which was carried out for 9 months.

Humic acid was administered in tablet form (250 mg/tablet), commensurate with the administration of interferon and ribavirin. Two tablets were taken in the morning and two in the evening, for 9 months. Humic acid treatment was thereafter reduced to one tablet in the morning and one in the evening.

The patient was a male Hispanic-Caucasian, age 43, in otherwise-good condition.

The preparation of natural-product and synthetic humate materials is described in U.S. patents 5,946,445; 6,569,416; 6,524,566; 6,524,567; 6,534,049; 6,576,229; and in other U.S. and international patents and patents pending.

Table of Contents

Forward

- 1. Raw Blood Data
- 2. Data Tabulations
- 3. Graphical Presentation of Significant Data

RAW BLOOD DATA

Coverage: 514 Days

Reference Range Test Name Results Flag 120 mg/dl - 210 mg/dl
31 mg/dl - 85 mg/dl
0.0 % - 5.0 %
70 mg/dl - 194 mg/dl
0.96 mg/dl - 6.06 mg/dl
10 mg/dl - 190 mg/dl
70 mg/dl - 125 mg/dl
1.2 mmol/l - 2.1 mmol/l
0 U/L - 41 U/L
0 U/L - 45 U/L
0 U/L - 65 U/L
30 U/L - 115 U/L
0.1 mg/dl - 1.2 mg/dl
3.7 g/dl - 4.7 g/dl
5 mg/dl - 25 mg/dl
0.5 mg/dl - 1.5 mg/dl
6.3 g/dl - 8.2 g/dl
2.3 g/dl - 3.9 g/dl 227 mg/dl *HIGH* Cholesterol HDL Cholesterol 51 mg/dl 4.5 % Cholesterol Ratio LDL 148 mg/dl LDL/HDL Ratio 2.90 mg/dl Triglycerides 139 mg/dl *LOW* 43 mg/dl Glucose 1.3 mmo1/1Fructosamine SGOT (AST) 59 U/L *HIGH* SGPT (ALT) 113 U/L *HIGH* *HIGH* 79 U/L GGT (GGTP) Alkaline Phosphatase 71 U/L 0.8 mg/dlTotal Bilirubin Albumin $4.6 \, \text{g/dl}$ BUN 14 mg/dl 1.0 mg/dlCreatinine Total Protein 8.0 g/dl Globulin 3.4 g/dlSerum HIV NEG HEP B SURFAC ANTIGEN NEG Hepatitis C POS Abnormal Ä

	Urinal	vsis		
**************************************	*******************		i z z z z z z z z z z z z z z z z z z	ZZZZZZZZZZZZ
Test Name	Results		ence Range	
Test Name	Vesatre	Werer.	siice kange	rrag
Glucose quantitative	0 00 cm%	റ റെ അം	- 0.50 gm%	
Gcast Micro Exam			- 0 /40LPF	
			- 40	
Hcast Micro Exam RBC Micro Exam	0 /upr	-	- 4 /HPF	
WBC Micro Exam	30 /1151		~ 9 /HPF	*HIGH*
		O / HEE	- 9 /HEE	II L CIII
Cotinine (Nicotine)	NEG NEG			
		0	- 30	
Protein	0 (13	_		
Adult. Creatinine			-300.0 mg/dl	
Adulterant PH	6.5	4.0	- 8.7	
NO LIPEMIA				
NO HEMOLYSIS				
A STUDY OF 70 HCV EIA				
VERSION 3.0 CONFIRMATI	ON YIELDED THE FO	LLOWING RESUL!	rs:	
		BA	RIBA	
REACTIVITY NEGATI	VE INDETERMINATI	E POSITIVE		
WEAK POS. 19/25(76				
MOD. POS. 5/10(50	%) 3/10(30%)	2/10(:	20%)	
STRONG POS. 0/35(0	%) 1/35 (3%)	34/3	5 (97%)	
HCV VERSION 3.0 WITH H	CV RIBA VERSION 3	.0 CONFIRMATION	ON REPRESENTS	
THE MOST SENSITIVE AND	SPECIFIC METHOD	FOR DETERMINI	NG HCV	
	N WHEN COMPARING '			
OF LESSER SENSITIVITY.	HEPATITIS C RIB	A VERSION 3.0	CONFIRMATION	

REQUESTING PHYSICIAN

11/03/03

GRDER MD: CONSULT KD(s): CONSULT MD(s):

toitials

CHEMICAL PATHOLOGY

3100703 NONE

DRAW DATE / TIME

GLUCOSE METABOLISM UNITS

REFERENCE 14.1-6.53 HGB A1C 5.4 f Ž

94 MG/DL MBG EST.

HGB A1C I Hemoglobin AIC determined by an immunoturbidimetric method

> ! Please note: Hemoglobin variants may result in HbAIC values that do I not accurately reflect mean glucose values.

310CTG3 NONE

REFERENCE ENZYMES UNITS [94-250] LDH 181 U/L

310CT03 NONE

CARDIAC RISK INDICATORS UNITS REFERENCE 116 越/DL 10-1493 205 LH MG/DL [0-199] CHOL MG/DL HDL CHOL 50 CHOL/HDL 4.1 f RATIO 132 MG/DL LDL CALC [0-99] [0-99] LDL DIRECT 150 H MG/DL

CHOL/HDL

LIPID ABNORMALITIES in ADULTS Borderline Risk High Risk for CHD for CHD Desirable | Cholesterol (200 200 - 239 >=240 (48 I HDL Cholesterol) = 60 130 - 159 | LDL Cholesterol (130)=160 (100 optisal 5 - 6) 5 | Cholesterol/HDL 200 150 - 199 | Triglceride (150

I This information is based on the Adult Treatment Panel III NCEP ! Guidelines for adults >= 20 years of age, for fasting specimens. 1 LDL cholesterol ranges are based on direct assayrement assays. i LDL goals are further modified by clinical risk for CHD. 1 Ref: JAMA 2001;285:2486.

REQUESTING PHYSICIAN 11/03/03 ORDER MD: CONSULT MD(s): CONSULT MD(s): DRAW DATE / TIME CHEMICAL PATHOLOGY 310CT03 NONE THYROID FUNCTION UNITS REFERENCE 10.35-5.501 HS TSH 2.85 f IU/L FREE T3 3.7 pg/ml [2.3-4.2] f NG/DL [0.8-1.8] FREE T4 1.2 HS TSH Guidelines for interpreting TSH values: If the TSH result is HIGH; suggests HYPOTHYROIDISM. IF THE TSH result is LOW; suggests HYPERTHYROIDISM. Some patients with LOW TSH values are clinically HYPERTHYROID, while others are EUTHYROID. Assays of FREE T4 and FREE T3 may be of value to confirm the diagnosis. TSH results alone can be misleading in patients with hypothalamic or pituitary disorders, or in patients during the transitional phase of thyroid treatment. FREE 14 | Guidelines for interpreting FREE T4 values: If the TSH result is HIGH and FT4 is LOW; suggests HYPOTHYROIDISM If the TSH result IS HIGH and FT4 is NORMAL; suggests SUBCLINICAL HYPOTHYROIDISM. If the TSH result is LOW and FT4 is HIGH; suggests HYPERTHYROIDISM ! If the TSH result is LOW and FT4 is NORMAL; suggests SUBCLINICAL HYPERTHYROIDISM. A FREE T3 to rule out T3 THYROTOXICOSIS is also suggested. These interpretations may not apply to patients with hypothalamic

ONCO-FETAL PROTEINS UNITS REFERENCE
PROS SP AG 1.13 f NG/ML 10.00-4.001
PROS SP AG 1 PSA determined by the Bayer
1 ACS:CENTAUR PSA Equimolar Assay

MM

or pituitary disorders, or in patients on thyroid treatment.

QUESTING PHYSICIAN				-					
					11/	03/03			
ORDER MD: CONSULT MD(s)									Pull Chart F
CONSULT ND (s)									intials
NAW DATE / TIME							J		Datef
	HEMATOPATH	OLOGY							
310CT03 NONE									
CELL (JUNTS	UNITS	REFERENCE	DIFFERENTIAL	*	ABSOLUTE DIFF		UNITS	REFERENCE
WBC	7.2	K/JL	14,3-18.01	MEUTROPHIL	61	NEUTROPHIL	4.4	K/UL	21, B-7.51
HGB	15.8	SM/DL	[13, 5-16, 5]	LYMPHOCYTE	31	LYMPHOCYTE	2.2	R/UL	[2.8-4.5]
HCT	46.3	×	[40.0-50.0]	MONOCYTE	7	MONDCYTE	Ø.5	K/UL	[0, 1-1, 5]
MCV	90	FL	(80-98)	EUSINOPHIL	1	EDS1NOPH1L	0.1	K/UL	[0.6-0. 4]
RBC	5.13	M/UL	[4.40-5.80]	BASOPHIL	1	BASOPHIL	0.1	K/UL	16.6-8.53
MCH	30.9	P6	[27.9-34.0]						
MCHC	34.2	%	(32.6-36.6)						
RDW	12.6	7.	[0.0-15.5]						
PLATE	LET 249	K/UL	[156-450]						
	URINALYSIS	;							
210CTG3 NONE									
URINAL	YRIS		REFERENCE	MICROSCOPI	C	CASTS/LPF			
SPEC		,	(1.005-1.030)	WBC/HFF	5				
PH	7. 0		14.5-8.03	RBC/HPF	อ				
PROTE			(NEG)	BACTERIA	MANY				
SLUC			[NEB]	SØ EPITH/					
KETO			ENEG3	UL 2, 2, 1, 1					
BILI			[NEG]						
BLOOM			INEGS						
UROB:			(e. 0-1.0)						
LEUK			(NEG)		1/				
NITR:			CNEGO	Decours	- uN				
34 (B)	iii. Foc	, ~	ruzu)	Person					
	CHEMICAL F	MATHGLOGY					-		
310CT03 NONE			LL CAR -	======================================		Her A BC	//		, her sp. jen
-				EFERENCE	grane est.		- ""		EFERENCE
GLUCI	JSŁ	93		[65-110]	TOT BILL	.8	46/D	L	1.2-1.25
NA		140		135-1473	SBOT/AST	53 1			[第一44]
K.		4.3		3.5-5.53	SPT/ALT		1 11/1		(3-44)
ĈL.		106		196-1083	GAMMA GT	59	ا <i>الطسس</i> لة		(11-49)
503		24	MMOL/L	[22-29]	ALK PHOS	69	U/L		[40-129]
	GAP .	10	MMOL/L	85-14C	URIC ACID	5.8	MG/I		[3, 4-7, 0]
BUN		11	mG/DL	16-201	PHOS	3.6	MG/I		[2.7-4.5]
CREA		1.0		0.5-1,23	CALCIUM	19.0	MS/1)L [{	3, 4-10, 53
	/DREA	11	RATIO	[19-22]					
	CALC	278		268-2923					
TOT 1	PROTEIN	7.3		6.6-8.73				1	
A_BU	1IN	4.7	GM/DL [3.4-4.83		KO3 AL		f	
			CM / D	2.4-4.4]	1.	6.		1	
GLOB	ALIN .	3. 2		0.7-2.5)	h. / 1	17.02	1 11 1	,	

11/26/03

ORDER ME):
CONSULT	MD(5):
CONCIRT	MD(c).

VIRAL SEROLOGY

	Review Complete
initials	Ichais
Date	Date

17NOV83 NONE

REFERENCE HEPATITIS TESTING NEG [NEG] HBS AG [NEG] NEG HB CORE IGM [NEG] NEG HEP A AB (IGM)

POSITIVE*f

HEP C RNA @ HEP C RNA..... 17NOV03 NONE

The specimen was POSITIVE for Hepatitis C Viral RNA. HCV RNA was detected. This assay can detect down to 50 IU/mL (100 copies/mL). False positives can occur due to contamination.

TEST INFORMATION: Hepatitis C RNA, Qual by PCR

Assay methodology is polymerase chain reaction (PCR) using the FDA approved Roche Amplicor HCV Test, version 2.0.

This test is performed pursuant to an agreement with Roche Molecular Systems, Inc. The above test was performed at:

m 11-2803 Refat ID.

*-ABNORMAL, F-FOOTNOTE @ = HEP C RNA TEST SENT TO ORDER MD: CONSULT MD(s): CONSULT MD(s):

VIRAL SEROLOGY

17NOV83 NONE

HEPATITIS TESTING

HEP C GENOTYPE @

REFERENCE

HEP C GENOTYPE. 17NOV03 NONE TYPE 4. Cannot be further subtyped. TEST INFORMATION: Hepatitis C Genotyping Isolates of Hepatitis C Virus are grouped into six major genotypes. These genotypes are subtyped according to sequence characteristics and are designated as 1a, 1b, 2a, 2b, 3a, 3b, 4a-h, 5a, and 6a.

TYPE 4f

Reports suggest that patient prognosis and disease course may be genotype dependent. For example, Hepatitis C Virus type 1 and type 4 infections may be associated with more severe disease and decreased responsiveness to therapy. In addition, types 2 and 3 may be treated with shorter ourations of therapy.

Patient RNA is assayed using reverse transcription polymerase chain reaction (RT-PCR) to amplify a specific portion of the 5 untranslated region (5 UTR) of the hepatitis C virus. The amplified nucleic acid was sequenced bidirectionally using dye-terminator chemistry (ABI). Results are based on comparison with a database derived from GenBank sequences and published information (Maertens et al, 1997).

The performance characteristics of this test were validated by ARUP Laboratories, Inc. The U.S. Food and Drug Administration (FDA) has not approved this test. The results are not intended to be used as the sole means for clinical diagnosis or patient management decisions. ARUP is authorized under Clinical Laboratory Improvement Amendments (CLIA) and by all states to perform highcomplexity testing.

This test is performed pursuant to a license agreement with Roche Molecular Systems, Inc. The above test was performed at:

11/26/03

ORDER MD: CONSULT MD(s): CONSULT MD(s):

VIRAL SEROLOGY

17NOV83 NONE

HEPATITIS TESTING

HCV AB

POS*f

REFERENCE

(NEG)

HCV AB..... 17NOV03 NONE Follow up testing for Hepatitis C Virus RNA, QUALITATIVE (not quantitative) is recommended if clinically indicated. Patients with certain immunologic disorders (including but not limited to SLE, rheumatoid arthritis, hypergammaglobulinemia, and HIV-1 infection) may have a FALSE POSITIVE anti-HCV antibody test by the EIA method.

RESULTS REPORTED TO THE DEPARTMENT OF PUBLIC HEALTH.

PRINTED: 01/10/04 TIME: PAGE: 0509

ONCO-FETAL PROTEINS

UNITS

JAN04 1705 FETOPROT

A-FETOPROT

f NG/ML

[0-8]

The above reference range is for non-pregnant adult patients. Pregnant patients should be processed through the STATE OF CALIFOR-NIA APP SCREENING PROGRAM ONLY.

AFP ranges for neonates (premature or full-term, male or female) are significantly higher (several thousandfold) than the above reference range. It is not known precisely at what age AFP levels in infants drop to the adult range. Therefore serial serum AFP levels are recommended when evaluating patients less than one year of age.

AFP determined by the Bayer ACS: Centaur AFP assay.

HEPATITIS TESTING

TAN04 1705

HEP A AB (TOTAL) HEP A AB(IGM)

REFERENCE

[NEG] [NEG]

A AB(IGM).. 05JAN04 1705 Hepatitis A total antibody screen (IgM & IgG) NEGATIVE. Hepatitis A IgM NOT indicated.

STORTOC

ENT:

PT NO:

LOCATION:

***** FINAL REPORT ***** Pull Chart Review Complete initials Initials DATE: 01/10/04 Date Date

PRINTED: 01/10/04 TIME: 0509 PAGE: 2

VIEALESEFOLOGY

HEPATITIS TESTING

05JAN04 1705

HEP C RNA @

HEP C RNA..... 05JAN04 1705

REFERENCE

4.6 f log IU
<><>VIRAL LOAD RESULT FOR HCV RNA IS 37,100 IU/ML<><:
THE LOG 10 VALUE OF HCV RNA IS 4.6</pre>

TEST INFORMATION: HEP C RNA Quant Real-Time PCR Assay methodology is polymerase chain reaction (PCR) using the ROCHE COBAS TagMan Analyte specific Reagent. The reference interval for this assay is:
Less than 2.3 log IU (200 IU) of HCV RNA/mL.
The analytic measurement range of this assay is:
200-100,000,000 IU/mL (2.3-8.0 Log IU/mL).

There is an approximate relationship of 1 HCV RNA IU/mL to 2.5 HCV RNA copies/mL. The INTERNATIONAL UNIT (IU) is a designated unit value assigned to the "International Standard for Nucleic Acid Amplification Technology Assays for HCV RNA" which is accepted by the WHO Expert Committee on Biological Standardization. The International Standard is a lyophilized preparation of HCV genotype 1. The IU value is based on results obtained after extensive testing in a variety of assay types.

Analyte Specific Reagents (ASR) are used in many laboratory tests necessary for standard medical care and generally do not require U.S. Food and Drug Administration approval. This test was developed and its performance characteristics determined by ARUP Laboratories, Inc. It has not been approved by the U.S. Food and Drug Administration. This test should not be regarded as investigational or for research use.

This test is performed pursuant to an agreement with Roche Molecular Systems, Inc.
The above test was performed at: Associated Regional and University Pathologists, 500 Chipeta Way, SLC UT 84108

1.16.04
Discussed of pt

Her C test mod P

Recommend liver

Recommend by

biopsey

Rediologist

(ل

f-FOOTNOTE @ = HEP C RNA TEST SENT TO

PT NO:

LOCATION:

***** FINAL REPORT *****

Pull Chart Review Complete
Initials Initials

Date Date

Accession#:

Patient:

Collected:

01/30/04

Loc:

Pt#:

SS#:

DOB:

PATHOLOGY REPORT

SPECIMEN:

LIVER BIOPSY

GROSS DESCRIPTION:

Received in formalin, labeled US liver biopsy, and 1599, is a 2.0 x 0.1 cm tan, cylindrical portion of soft tissue. T1 in 1599.

CC:Jm

MICROSCOPIC DESCRIPTION:

Sections show a needle core of liver tissue. This shows at least ten portal areas for evaluation. There is a variable chronic inflammatory infiltrate in the portal areas with small lymphoid follicle formation. This pattern is compatible with the stated history of hepatitis C. There is focal interface activity with lymphocytes in many of the portal areas extending beyond the limiting plate. There appears to be some probable mild fibrous portal expansion, but no periportal fibrosis is identified. Bile ductules are present within the portal areas and do not show evidence of damage. Iron is Nothing

Nothing

OK to start

Pegasys / Ribarina

[200 mg not increased.

JK : am

Printed: 02/03/04

Page: 1

Continued on next page...

Accession#: Patient:

PATHOLOGY REPORT

DIAGNOSIS:

LIVER, BIOPSY:

CHRONIC HEPATITIS DISPLAYING MILD INFLAMMATORY ACTIVITY (GRADE 2/4) AND MILD FIBROUS PORTAL EXPANSION (STAGE 1/4).

COMMENT: The patient is noted to have a history of hepatitis C.

Q: TG JK :am 02/02/04

(Electronic Signature) Ver:JK 02/02/04

Printed: 02/03/04 1626

Page: 2

End of Report...

PRINTED: 03/16/04

	CELL COUNTS		UNITS	REFERENCE	DIFFERENTIAL	%	ABSOLUTE DIFF		UNITS	REFERENCE
15MAR04 1300	WBC HGB HCT MCV RBC MCH MCHC RDW PLATELET	6.0 12.0L 34.7L 89 3.91L 30.7 34.6 13.8 199	FL	[4.3-10.0] [13.5-16.5] [40.0-50.0] [80-98] [4.40-5.80] [27.0-34.0] [32.0-36.0] [0.0-15.5] [150-450]	NEUTROPHIL LYMPHOCYTE MONOCYTE EOSINOPHIL BASOPHIL	70 21 9 0 1	NEUTROPHIL LYMPHOCYTE MONOCYTE EOSINOPHIL BASOPHIL	4.2 1.3 0.5 0.0	K/UL K/UL K/UL	[1.8-7.5] [0.8-4.5] [0.1-1.5] [0.0-0.4] [0.0-0.5]

3/17/04 D130'd & pt

PT NO:

LOCATION:

***** FINAL REPORT *****

Pull Chart Review Complete Initials Initials Date

PATIENT:

PT NO:

SEX:

AGE:

DOB:

ADMITTING MD: ORDERING MD: CONSULTING MD: Date of Service: 04/12/2004 02:04 PM

FINAL REPORT

Test	Value		Units	Range	Remark
OBTAINED: 04/12/2004 09:1	0 AM		(L)as	REPORTED: 0	4/12/2004 05:00 PM
*** HEPATIC FUNCTN ***			63		1/ 12/200+ 03:00 FM
SGOT/AST		21 /	/	0-44	
GPT/ALT		21 / 32	¹⁴ U/L	0-44	
ALK PHOS		86	U/L	40-129	
TOT PROTEIN		6.9	GM/DL	6.3-8.3	
ALBUMIN TOT BILI		4.0	GM/DL	3.6-5.0	
CONJ BILI		.6	MG/DL	.2-1.2	
GLOBULIN		.1 2.9	MG/DL	.03	
A/G RATIO		1.4	GM/DL RATIO	2.4-4.4 0.7-2.5	
*** CBC ***		1.7	IOTIO	0.7-2.5	
WBC	3.9		K/UL	4.3-10.0	Low
RBC	3.82		M/UL	4.40-5.80	LOW
HGB HCT	11.7		GM/DL	13.5-16.5	LOW
MCV	35.6		%	40.0-50.0	LOW
MCH		93 30.8	FL	80-98	
MCHC		30,8 32,9	PG %	27.0-34.0	
RDW	17.9	32.9	% %	32.0-36.0 0.0-15.5	
PLATELET	27.5	180	K/UL	150-450	HIGH
MPV	11.5		., 02	8.2-10.0	HIGH
NEUTROPHIL		67	%		urau
LYMPHOCYTE		25	%		
MONOCYTE EOSINOPHIL		8	%		
BASOPHIL		0	%		
NEUTROPHIL		0 2.6	%	40	
LYMPHOCYTE		1.0	K/UL K/UL	1.8-7.5 0.8-4.5	
MONOCYTE		0.3	K/UL	0.8-4.5 0.1-1.5	
EOSINOPHIL		0.0	K/UL	0.0-0.4	
BASOPHIL		0.0	K/UL	0.0-0.5 /	7 7
Reviewed by:			1 - 1.6	hotter +	· Norty)
La	los ok		liver feits / Ribanril	peri	
_	۸		10 harried -	x 7 ha	
(¹).	Pen	Sy3	/ Wear is	- 1	
0,	~ U	U	=		
				· J	

04/13/2004

4-14-08 pt notique

ROUTE TO:

PATIENT:
PT NO:
SEX:
AGE:
DOB:
ORDER MD:
CONSULT MD(s):

REFERRING MEDICAL RECORD NUMBER: DIAGNOSIS:

PRINTED: 05/12/04

HEMATOPATHOLOGY

	CELL COUNTS		UNITS	REFERENCE	DIFFERENTIAL	%	ABSOLUTE DIFF		UNITS	REFERENCE
11MAY04 1520										
	WBC	2.9L	K/UL	[4.3-10.0]	NEUTROPHIL	55	NEUTROPHIL	1.6 L	K/UL	[1.8-7.5]
	HGB	11.2L	GM/DL	[13.5-16.5]	LYMPHOCYTE	33	LYMPHOCYTE	1.0	K/UL	[0.8-4.5]
	HCT	33.3L	8	[40.0-50.0]	MONOCYTE	11	MONOCYTE	0.3	K/UL	[0.1-1.5]
	MCV	93	FL	[80-98]	EOSINOPHIL	0	EOSINOPHIL	0.0	K/UL	[0.0-0.4]
	RBC	3.57L	M/UL	[4.40-5.80]	BASOPHIL	1	BASOPHIL	0.0	K/UL	[0.0-0.5]
	MCH	31.5	PG	[27.0-34.0]						
	MCHC	33.8	8	[32.0-36.0]						
	RDW	16.0H	8	[0.0-15.5]						
	PLATELET	189	K/UL	[150-450]						

CHEMICAL PATHOLOGY

			ONITS	KEFERENCE			UNITS	REFERENCE
11MAY04 1520								
	TOT PROTEIN	7.1	GM/DL	[6.3-8.3]	TOT BILI	.7	MG/DL	[.2-1.2]
	ALBUMIN	4.1	GM/DL	[3.6-5.0]	CONJ BILI	.1	MG/DL	[.03]
	GLOBULIN	3.0	GM/DL	[2.4-4.4]	SGOT/AST	24	U/L	[0-44]
	A/G RATIO	1.4	RATIO	[0.7-2.5]	GPT/ALT	31	U/L	[0-44]
					ALK PHOS	87	U/L	[40-129]
	THYROID FUNCTIO	ы	UNITS	REFERENCE		1		
11MAY04 1520						1		
	HS TSH	1.33 f	IU/L	[0.35-5.50]		/		
HS TSH	Guideline	s for inter	preting TSH	values:		1 /		
	If the	TSH result	is HIGH;	suggests HYPOTHY	ROIDISM.	1		
	IF THE	TSH result	is LOW; s	uggests HYPERTHY	ROIDISM.			
	Some p	atients wit	h LOW TSH V	alues are clinic	ally HYPERTHYROID,			
	while	others are	EUTHYROID.			1		
	Assays of	FREE T4 an	d FREE T3 m	ay be of value t	co confirm the] .		
	diagnosis							
	TSH resul	ts alone ca	n be mislea	ding in patients	with hypothalamic			
	or pituit	ary disorde	rs, or in p	atients during t	the transitional	1		
	phase of	thyroid tre	atment.			1		

L-LOW, H-HIGH, f-FOOTNOTE

PT NO:

LOCATION:

***** FINAL REPORT *****

Pull Chart Review Complete Initials Initials Date Date

DIAGNOSIS:

DKY DATE: 05/19/04 TIME 1421 PAGE:

CONSULT MD(s): CONSULT MD(s):

+++++ VIRAL SEROLOGY +++++

11MAY04 1520

BEPATITIS TESTING BCV RNA BDNA (3200 f COPIES BCV RNA LOG CPY (3.5 1.0C HCV RNA IU IN/NL (615 HCY RNA LOG I. LOG IN

BCV RNA BDNA

IANALYTICAL RANGE of the BCV RNA assay:

Copies/ml: 3,200 to 40,000,000 Log Copies: 3.5 to 7.6 10/m1: 615 to 7,692,308 Log IV: 2.8 to 6.9

The International Unit (IU) is a unit value assigned to the "First | International Standard for Mucleic Acid Amplification Technology lassays for BCV RNA" accepted by the WHO Expert Committee on |Blological Standardization. The International Standard is a preparation of BCV genotype 1 and is based on results obtained in a [variety of assay types.

The quantitative HCV RMA assay is intended for use in patients with an established diagnosis of Bepatitis C. It should MOT be used as a diagnostic test. Results less than the limit of detectability do not imply either the presence or absence of virus.

This patient's result was obtained using the Bayer Diagnostics (Versant) branched-DNA HCV RMA methodology, version 3.0. The U.S. |Food and Drug Administration has approved this assay for the Iquantitation of Hepatitis C viral RNA in the serum or plasma of HCV infected individuals.

Her RNA Nog Good Liver fests WHE Count RX

f-FOOTNOTE

END OF REPORT

Notified Patient

PATIENT:

PT NO:

SEX:

AGE: DOB:

ADMITTING MD: ORDERING MD:

CONSULTING MD:

Reviewed by:

Date of Service: 06/17/2004 12:29 AM

FINAL REPORT

JUN 1 8 2004

Test OBTAINED: 06/16/2004 12:01	Value AM		Units	Range REPORTED: 06,	Remark /17/2004 08:40 AM
*** CBC ***	3.0		17 /1 ti	43400	1011
WBC	3.9		K/UL	4.3-10.0	LOW
RBC	3.54		M/UL	4.40-5.80	LOW
HGB	11.1 33.7		GM/DL %	13.5-16.5 40.0-50.0	LOW
HCT	33./	95	FL	40.0-50.0 80-98	LOW
MCV		95 31.4	PG	27.0-34.0	
MCH					
MCHC	156	33.0	% . n/-	32.0-36.0	LITCH
RDW	15.6	210	%	0.0-15.5	HIGH
PLATELET	10.5	210	K/UL	150-450	
MPV	10.6		0/	8.2-10.0	HIGH
NEUTROPHIL		69	%		
LYMPHOCYTE		20	%		
MONOCYTE		11	%		
EOSINOPHIL		0	%		
BASOPHIL		0	%		
NEUTROPHIL		2.7	K/UL	1.8-7.5	
LYMPHOCYTE		8.0	K/UL	0.8-4.5	
MONOCYTE		0.4	K/UL	0.1-1.5	
EOSINOPHIL		0.0	K/UL	0.0-0.4	
BASOPHIL		0.0	K/UL	0.0-0.5	

CBC OK North Notified Patient by Date: 10-18-04 B

8/18/2004

PATIENT: PT NO:

SEX:

AGE: DOB:

ADMITTING MD:

ORDERING MD:

CONSULTING MD:

Date of Service: 08/16/2004 07:40 PM

FINAL REPORT

SGOT/AST GPT/ALT ALK PHOS TOT PROTEIN ALBUMIN TOT BILI CONJ BILI GLOBULIN A/G RATIO	3.64 11.5 34.5	26 29 84 8.0 4.2 .5 .1 3.8 1.1 5.3	U/L U/L U/L GM/DL GM/DL MG/DL MG/DL GM/DL RATIO K/UL M/UL GM/DL % FL	0-44 0-44 40-129 6.3-8.3 3.6-5.0 .2-1.2 .03 2.4-4.4 0.7-2.5 4.3-10.0 4.40-5.80 13.5-16.5 40.0-50.0 80-98	18/2004 01:31 PM LOW LOW LOW
GPT/ALT ALK PHOS TOT PROTEIN ALBUMIN TOT BILI CONJ BILI GLOBULIN A/G RATIO *** CBC *** WBC RBC HGB HCT MCV MCH	11.5	29 84 8.0 4.2 .5 .1 3.8 1.1 5.3	U/L U/L GM/DL GM/DL MG/DL MG/DL GM/DL RATIO K/UL M/UL GM/DL %	0-44 40-129 6.3-8.3 3.6-5.0 .2-1.2 .03 2.4-4.4 0.7-2.5 4.3-10.0 4.40-5.80 13.5-16.5 40.0-50.0	LOW
GPT/ALT ALK PHOS TOT PROTEIN ALBUMIN TOT BILI CONJ BILI GLOBULIN A/G RATIO *** CBC *** WBC RBC HGB HCT MCV MCH	11.5	29 84 8.0 4.2 .5 .1 3.8 1.1 5.3	U/L U/L GM/DL GM/DL MG/DL MG/DL GM/DL RATIO K/UL M/UL GM/DL %	0-44 40-129 6.3-8.3 3.6-5.0 .2-1.2 .03 2.4-4.4 0.7-2.5 4.3-10.0 4.40-5.80 13.5-16.5 40.0-50.0	LOW
ALK PHOS TOT PROTEIN ALBUMIN TOT BILI CONJ BILI GLOBULIN A/G RATIO *** CBC *** WBC RBC HGB HCT MCV MCH	11.5	84 8.0 4.2 .5 .1 3.8 1.1 5.3	U/L GM/DL GM/DL MG/DL MG/DL GM/DL RATIO K/UL M/UL GM/DL %	40-129 6.3-8.3 3.6-5.0 .2-1.2 .03 2.4-4.4 0.7-2.5 4.3-10.0 4.40-5.80 13.5-16.5 40.0-50.0	LOW
TOT PROTEIN ALBUMIN TOT BILI CONJ BILI GLOBULIN A/G RATIO *** CBC *** WBC RBC HGB HCT MCV MCH	11.5	8.0 4.2 .5 .1 3.8 1.1 5.3	GM/DL GM/DL MG/DL MG/DL GM/DL RATIO K/UL M/UL GM/DL %	6.3-8.3 3.6-5.0 .2-1.2 .03 2.4-4.4 0.7-2.5 4.3-10.0 4.40-5.80 13.5-16.5 40.0-50.0	LOW
TOT PROTEIN ALBUMIN TOT BILI CONJ BILI GLOBULIN A/G RATIO *** CBC *** WBC RBC HGB HCT MCV MCH	11.5	4.2 .5 .1 3.8 1.1 5.3	GM/DL MG/DL MG/DL GM/DL RATIO K/UL M/UL GM/DL %	3.6-5.0 .2-1.2 .03 2.4-4.4 0.7-2.5 4.3-10.0 4.40-5.80 13.5-16.5 40.0-50.0	LOW
ALBUMIN TOT BILI CONJ BILI GLOBULIN A/G RATIO *** CBC *** WBC RBC HGB HCT MCV MCH	11.5	.5 .1 3.8 1.1 5.3	GM/DL MG/DL MG/DL GM/DL RATIO K/UL M/UL GM/DL %	.2-1.2 .03 2.4-4.4 0.7-2.5 4.3-10.0 4.40-5.80 13.5-16.5 40.0-50.0	LOW
TOT BILI CONJ BILI GLOBULIN A/G RATIO *** CBC *** WBC RBC HGB HCT MCV MCH	11.5	.1 3.8 1.1 5.3	MG/DL MG/DL GM/DL RATIO K/UL M/UL GM/DL %	.03 2.4-4.4 0.7-2.5 4.3-10.0 4.40-5.80 13.5-16.5 40.0-50.0	LOW
CONJ BILI GLOBULIN A/G RATIO *** CBC *** WBC RBC HGB HCT MCV MCH	11.5	.1 3.8 1.1 5.3	MG/DL GM/DL RATIO K/UL M/UL GM/DL %	2.4-4.4 0.7-2.5 4.3-10.0 4.40-5.80 13.5-16.5 40.0-50.0	LOW
GLOBULIN A/G RATIO *** CBC *** WBC RBC HGB HCT MCV MCH	11.5	1.15.395	RATIO K/UL M/UL GM/DL %	0.7-2.5 4.3-10.0 4.40-5.80 13.5-16.5 40.0-50.0	LOW
*** CBC *** WBC RBC HGB HCT MCV MCH	11.5	5.3	K/UL M/UL GM/DL %	4.3-10.0 4.40-5.80 13.5-16.5 40.0-50.0	LOW
*** CBC *** WBC RBC HGB HCT MCV MCH	11.5	95	M/UL GM/DL %	4.40-5.80 13.5-16.5 40.0-50.0	LOW
WBC RBC HGB HCT MCV MCH	11.5	95	M/UL GM/DL %	4.40-5.80 13.5-16.5 40.0-50.0	LOW
RBC HGB HCT MCV MCH	11.5	95	M/UL GM/DL %	4.40-5.80 13.5-16.5 40.0-50.0	LOW
HGB HCT MCV MCH	11.5		GM/DL %	13.5-16.5 40.0-50.0	LOW
HCT MCV MCH			%	40.0-50.0	
MCV MCH	5415				
MCH					
			PG	27.0-34.0	
IVII H (33.2	%	32.0-36.0	
RDW		14.9	%	0.0-15.5	
PLATELET		228	K/UL	150-450	
MPV	11.5		.402	8.2-10.0	HIGH
NEUTROPHIL		76	%	0.2 20.0	
LYMPHOCYTE		14	%		
MONOCYTE		10	%		
EOSINOPHIL		0	%		(1 11)
BASOPHIL		Õ	%		(North)
NEUTROPHIL		4.0	K/UL	1.8-7.5	
LYMPHOCYTE	0.7	7.0	K/UL	0.8-4.5	Low
MONOCYTE	0.7	0.5	K/UL	0.1-1.5	20,11
EOSINOPHIL		0.0			
BASOPHIL		0.0	K/UL	0.0 0.1	0
*** HEP C bDNA ***		0.0	1902	/ 0.0 0.3	\sim \sim \sim
HCV RNA BDNA		<3200	COPIES	1 0	Jests -
			COLIES	HEP -	1 /8
ANALYTICAL RANGE of the	HCV RNA	assay:		V	Pegasys
				nk to St	op o
Copies/ml: 3,200 to 40,	000,000			O(C)	. · ·
Log Copies: 3.5 to 7.6					can fests
IU/ml: 615 to 7,692,308	3			Desent	Jame
Log IU: 2.8 to 6.9				refer	マ
i				•	. طامه د
The International Unit ((IU) is a	a unit v	alue assign	0.0-0.4 0.0-0.5 Hep C OK b St Repent ded to the "First	1
					1
23-04 pt setiful	~ pr	rele	leh	requestion	\sim
			_	1 Heren	/

|International Standard for Nucleic Acid Amplification Technology |Assays for HCV RNA" accepted by the WHO Expert Committee on |Biological Standardization. The International Standard is a |preparation of HCV genotype 1 and is based on results obtained in a |variety of assay types.

The quantitative HCV RNA assay is intended for use in patients with an established diagnosis of Hepatitis C. It should NOT be used as a diagnostic test. Results less than the limit of detectability do not imply either the presence or absence of virus.

This patient's result was obtained using the Bayer Diagnostics (Versant) branched-DNA HCV RNA methodology, version 3.0. The U.S. Food and Drug Administration has approved this assay for the quantitation of Hepatitis C viral RNA in the serum or plasma of HCV infected individuals.

HCV RNA LOG CPY HCV RNA IU HCV RNA LOG IU <3.5 LOG <615 IU/ML <2.8 LOG IU

Reviewed by:

PATIENT:

PT NO:

SEX:

AGE:

DOB:

ADMITTING MD:

ORDERING MD:

CONSULTING MD:

))	
Date	of	Service	11/29/2004	10:15	F
				/	

DEC 0 2 2004 FINAL REPORT

	Range	Remark
1.50 PM	REPORTED:	12/01/2004 01:

Test	Value	Units	Range	Remark
ACCESSION:	OBTAINED: 11/29	9/2004 04:50 PM	REPORTED: 12,	/01/2004 01:11 P!
*** HEPATIC FUNCTN ***				
SGOT/AST	23	U/L	0-44	
GPT/ALT	21	U/L	0-44	
ALK PHOS	57	U/L	40-129	
TOT PROTEIN	7. 4	GM/DL	6.3-8.3	
ALBUMIN	4.5	GM/DL	3.6-5.0	
TOT BILI	.4 .1	MG/DL MG/DL	.2 -1 .2 .03	
CONJ BILI GLOBULIN	2.9	GM/DL	.u3 2.4 - 4.4	
A/G RATIO	1.6	RATIO	0.7-2.5	
*** CBC ***	1.0	MAILO	0.7-2.3	
WBC	7.4	K/UL	4.3-10.0	
RBC	5.17	M/UL	4.40-5.80	() (
HGB	15.9	GM/DL	13.5-16.5	(Notity)
HCT	45.6	%	40.0-50.0	(Notifu)
MCV	88	FL	80-98	0.5
MCH	30.7	PG	27.0-34.0	GOOD NESULIS
MCHC	34.8	%	32.0-36.0	00011
RDW	13.5	%	0.0-15.5	
PLATELET	206	K/UL	150-450	1 6
MPV	9.3		8.2-10.0	Liver tests Normal
NEUTROPHIL	61	%		10 0
LYMPHOCYTE	30	%		Norman
MONOCYTE	8	%		Hep c test Non active
EOSINOPHIL	1	%		il a c test
BASOPHIL	0	%	1075	Hep -
NEUTROPHIL	4.5 2.2	K/UL K/UL	1.8-7.5 0.8-4.5	Non active
LYMPHOCYTE MONOCYTE	0.6	K/UL	0.1-1.5	now
EOSINOPHIL	0.0	K/UL	~ ~ ~ .	
BASOPHIL	0.0	K/UL·	0.0-0.5	
*** HEP C bDNA ***	0.0	19 02	nh	to ston
HCV RNA BDNA	<3200	COPIES	0	
ANALYTICAL RANGE of the H			Ø.	. Rehavirle
			regary	1 / 10 500
Copies/ml: 3,200 to 40,0	000,000	,		to Stop , /Ribarith
Log Copies: 3.5 to 7.6	Matificals	. W. 1	1 4	on labs
IU/ml: 615 to 7,692,308	Notified Pa	ilent	repeat 1	
Log IU: 2.8 to 6.9	Date: 12 to	105/10	h 12	WAS
The International Unit (IU) is a unit va	alue assigned t	o the "First	
'				
102:50				(-0 ~
				12/1/2004 (V)
				12/1/2004

12/2/04/22:50

|International Standard for Nucleic Acid Amplification Technology |Assays for HCV RNA" accepted by the WHO Expert Committee on |Biological Standardization. The International Standard is a |preparation of HCV genotype 1 and is based on results obtained in a |variety of assay types.

|The quantitative HCV RNA assay is intended for use in patients with |an established diagnosis of Hepatitis C. It should NOT be used as |a diagnostic test. Results less than the limit of detectability |do not imply either the presence or absence of virus.

This patient's result was obtained using the Bayer Diagnostics (Versant) branched-DNA HCV RNA methodology, version 3.0. The U.S. Food and Drug Administration has approved this assay for the quantitation of Hepatitis C viral RNA in the serum or plasma of HCV infected individuals.

HCV RNA LOG CPY	<3.5	LOG
HCV RNA IU	<615	IU/ML
HCV RNA LOG IU	<2.8	LOG IU

Reviewed by:

PATIENT:

PT NO:

SEX:

AGE:

DOB:

ADMITTING MD: **ORDERING MD:**

CONSULTING MD:

Date of Service: 03/01/2005 05:22 P

FINAL REPORT

Test	Value	Units	Range	Remark
Test			_	03/04/2005 11:46 A
ACCESSION:	OBTAINED: 03	/01/2005 03:00 PM	REPORTED:	03/04/2005 11:46 A
*** HEPATIC FUNCTN ***				
SGOT/AST	24	U/L	0-44	
GPT/ALT	25	U/L	0-44	
ALK PHOS	59	U/L	40-129	
TOT PROT	7.8	GM/DL	6.3-8.3	
ALBUMIN	4.6	GM/DL	3.6-5.0	
TOT BILI	.6	MG/DL	.2-1.2	•
CON] BILI	.1	MG/DL	.03	
GLOBULIN	3.2	GM/DL	2.4-4.4	
A/G RATIO	1.4	RATIO	0.7-2.5	
*** CBC ***				
WBC	7.9	K/UL	4.3-10.0	•
RBC	4.90	M/UL	4.40-5.80	
HGB	15.0	GM/DL	13.5-16.5	
HCT	43.6	%	40.0-50.0	_
MCV	89	FL	80-98	
MCH	30.6	PG	27.0-34.0	
MCHC	34.4	%	32.0-36.0	(Notte)
RDW	13.1	%	0.0-15.5	
PLATELET	236	K/UL	150-450	
MPV	10.0		8.2-10.0	Normal LFT'S
NEUTROPHIL	68	%		Name LATS
LYMPHOCYTE	23	%		Nov m
MONOCYTE	8	%		
EOSINOPHIL	1	%		- \
BASOPHIL	1	%	4075	that C
NEUTROPHIL	5.4	K/UL	1.8-7.5	May
LYMPHOCYTE	1.8	K/UL	0.8-4.5	Hep C in remission
MONOCYTE	0.6	K/UL	0.1-1.5	•
EOSINOPHIL	0.1	K/UL	0.0-0.4	
BASOPHIL.	0.1	/ K/UL	0.0-0.5	(
*** HEP C bDNA ***	//	/ convec		
HCV RNA BDNA	<3200	COPIES		\sim 1
ANALYTICAL RANGE of th	e HCV RNA assay	7:		V J
i				
Copies/ml: 3,200 to 4	0,000,000			
Log Copies: 3.5 to 7.				
IU/ml: 615 to 7,692,3				
10/111. 015 00 7/052/0				11-104

The International Unit (IU) is a unit value assigned to the "Firs Date: 38 1500.

13-07-05, 12:55pm L/M for PL, 40 SB.

3/7/2005

|International Standard for Nucleic Acid Amplification Technology |Assays for HCV RNA" accepted by the WHO Expert Committee on |Biological Standardization. The International Standard is a |preparation of HCV genotype 1 and is based on results obtained in a |variety of assay types.

The quantitative HCV RNA assay is intended for use in patients with an established diagnosis of Hepatitis C. It should NOT be used as a diagnostic test. Results less than the limit of detectability do not imply either the presence or absence of virus.

This patient's result was obtained using the Bayer Diagnostics (Versant) branched-DNA HCV RNA methodology, version 3.0. The U.S. Food and Drug Administration has approved this assay for the quantitation of Hepatitis C viral RNA in the serum or plasma of HCV infected individuals.

HCV RNA LOG CPY	<3.5	LOG
HCV RNA IU	<615	IU/ML LOG IU
HCV RNA LOG IU	<2.8	100 10

Reviewed by:

DATA TABULATIONS

- I. Hepatic Tumor Markers
- II. Complete Blood Count with Differential Leukocytes
- III. Comprehensive Metabolic Panel
- IV. Hepatitis C Viral Load

Table I. Hepatic Tumor Markers

		Result			
Test	Day	Low	Normal	High	
Alpha Fetoprotein	95		3		
(0.0-5.5 ng/mL)					

<u>Table II.</u> Complete Blood Count with Differential Leukocytes

			Result	
Test	Day	Low	Normal	High
White Blood Cells	27		7.2	
(WBC)	160		6.0	
	187	3.9		
$(4.0-10.5 \ 10^3/\mu L)$	217	2.9		
·	253	3.9		
	313		5.3	
	418		7.4	
	514		7.9	
Red Blood Cells	27		5.13	
(RBC)	160	3.91		
	187	3.82		
$(4.38-5.62\ 10^6/\mu L)$	217	3.57		
• •	253	3.54		
	313	3.64		
	418		5.17	
	514		4.90	
Hemoglobin	27		15.8	
	160	12.0		
(13.5-16.9 g/dL)	187	11.7		
	217	11.2		
	253	11.1		
	313	11.5		
	418		15.9	
	514		15.0	

<u>Table II</u>. Complete Blood Count (Cont'd.)

			Result	
Test	Day	Low	Normal	High
Hematocrit	27		46.3	
	160	34.7		
(39.5-50.0%)	187	35.6		
	217	33.3		
	253	33.7		
	313	34.5		
	418		45.6	
	514		43.6	
Mean Corpuscular	27		90	
Volume (MCV)	160		89	
, , ,	187		93	
(81.5-97.0 fL)	217		93	
	253		95	
	313		95	
	418		88	
	514		89	
Mean Corpuscular	27		30.9	
Hemoglobin (MCH)	160		30.7	
	187		30.8	
(27.0-33.5 pg)	217		31.5	
20	253		31.4	
	313		31.6	
	418		30.7	
	514		30.6	
Mean Corpuscular	27		34.2	
Hemoglobin Concen-	160		34.6	
tration (MCHC)	187		32.9	
	217		33.8	
(32.0-35.5 g/dL)	253		33.0	
_	313		33.2	
	418		34.8	
	514		34.4	

<u>Table II</u>. Complete Blood Count (Cont'd.)

			Result	
Test	Day	Low	Normal	High
Red Blood Cell Distri-	27		12.6	
bution Width (RDW)	160		13.8	
	187			17.9
(11.5-14.5%)	217			16.0
	253			15.6
	313			14.9
	418		13.5	
	514		13.1	
Platelets	27		249	
	160		199	
$(150-400\ 10^3/\mu L)$	187		180	
• •	217		189	
	253		210	
	313		228	
	418		206	
	514		236	
Neutrophils	27		4.4	
	160		4.2	
$(2.0-8.1\ 10^3/\mu L)$	187		2.6	
•	217	1.6		
	253		2.7	
	313		4.0	
	418		4.5	
	514		4.4	
Lymphocytes	27		2.2	
	160		1.3	
$(0.9 \text{-} 3.3 \ 10^3 / \mu L)$	187		1.0	
	217		1.0	
	253	0.8		
	313	0.7		
	418		2.2	
	514		1.8	

<u>Table II</u>. Complete Blood Count (Cont'd.)

		Result
Test	Day	Low Normal High
Monocytes	27	0.5
	160	0.5
$(0.0\text{-}0.8\ 10^3/\mu\text{L})$	187	0.3
·	217	0.3
	253	0.4
	313	0.5
	418	0.6
	514	0.6
Eosinophils	27	0.1
	160	0.0
$(0.0-0.5\ 10^3/\mu L)$	187	0.0
•	217	0.0
	253	0.0
	313	0.0
	418	0.1
	514	0.1
Basophils	27	0.1
	160	0.1
$(0.0\text{-}0.2\ 10^3/\mu\text{L})$	187	0.0
, ,	217	0.0
	253	0.0
	313	0.0
	418	0.0
	514	0.1

<u>Table III.</u> Comprehensive Metabolic Panel

			Result	
Test	Day	Low	Normal	High
Sodium (Serum)	27		140	
(135-145 meq/L)				
Potassium (Serum)	27		4.3	
(3.3-4.8 meq/L)				
<u>Chlorides</u> (Serum)	27		106	
(101-111 meq/L)				
Carbon Dioxide	27	24		
(25-34 meq/L)				
Electrolyte Balance	27		10	
(2-12 meq/L)				
Glucose	1 27	43	93	
(70-115 mg/dL)	21		30	
<u>Urea Nitrogen</u>	1 27		14 11	
(8-26 mg/dL)	21		11	
Creatinine	1 27		1.0 1.0	
(0.5-1.3 mg/dL	41		1.0	

<u>Table III.</u>
Comprehensive Metabolic Panel (Cont'd.)

Test	Day	Low	Normal	High
Calcium	27		10.0	
(8.4-10.2 mg/dL)				
Protein (Total)	1		8.0	
	27		7.9	
(6.1-8.2 g/dL)	187		6.9	
	217		7.1	
Albumin	1		4.6	
	27		4.7	
(3.2-5.5 g/dL)	187		4.0	
	217		4.1	
Alkaline Phosphatase	1		71	
	27		69	
(26-110 IU/L)	187		86	
	217		87	
Aspartate Aminotrans-	1			59
ferase/Serum Glutamic	27			53
Oxaloacetic Trans-	187		21	
Aminase (AST/SGOT)	217		24	
,				
(8-40 IU/L)				
Alanine Aminotransferase/	1			113
Serum Glutamic-Pyruvic	27			99
Transaminase	187		32	
(ALT/SGPT)				
	217		31	
(0-60 IU/L)				
,				

<u>Table III.</u> Comprehensive Metabolic Panel (Cont'd.)

		Result		
Test	Day	Low	Normal	High
Bilirubin (Total)	$\frac{1}{27}$		0.8 0.8	
(0.0-1.4 mg/dL)	187 217		0.6 0.7	
	21.		•	

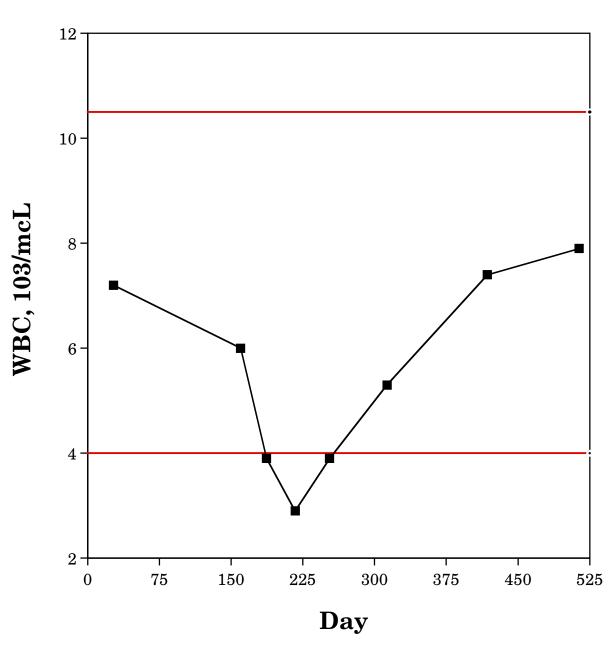
<u>Table IV</u>. Hepatitis C Viral Load

Test	Day	Low	Normal	High
Hepatitis C Viral Load	1			pos.
(HCV–PCR Quant)	27			pos.
	50			pos.
(0 IU/mL)	95			37,100
	224		neg.	
	313		neg.	
	418		neg.	
	514		neg.	

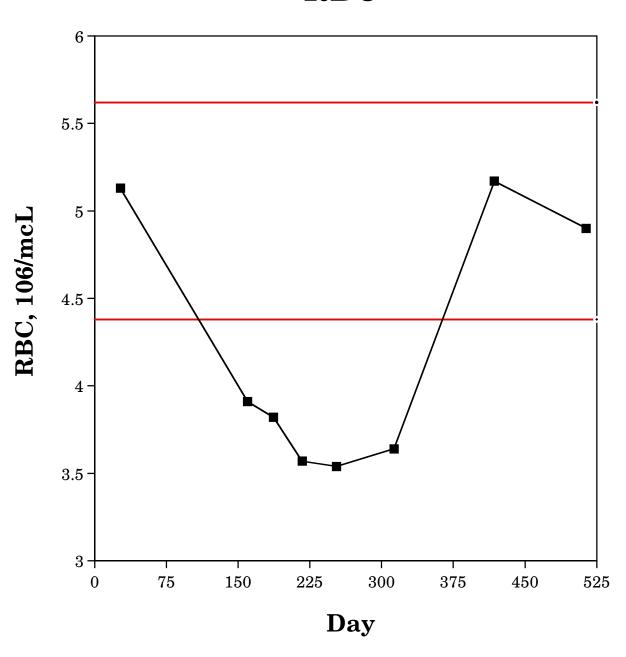
GRAPHICAL PRESENTATION OF SIGNIFICANT DATA

- 1. Complete Blood Count: White Blood Cells (WBC)
- 2. Complete Blood Count: Red Blood Cells (RBC)
- 3. Complete Blood Count: Hemoglobin
- 4. Complete Blood Count: Hematocrit
- 5. Complete Blood Count: Red Blood Cell Distribution Width (RDW)
- 6. Comprehensive Metabolic Profile: ALT/SGPT
- 7. Comprehensive Metabolic Profile: AST/SGOT
- 8. Hepatitis C Viral Load

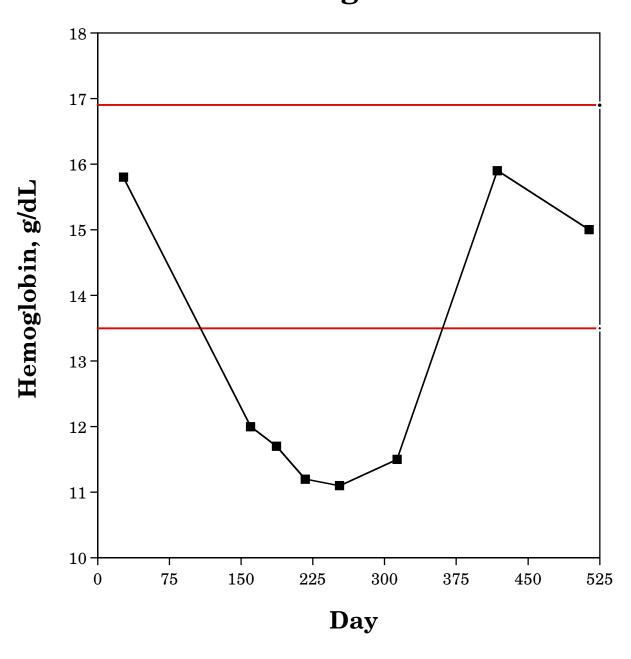




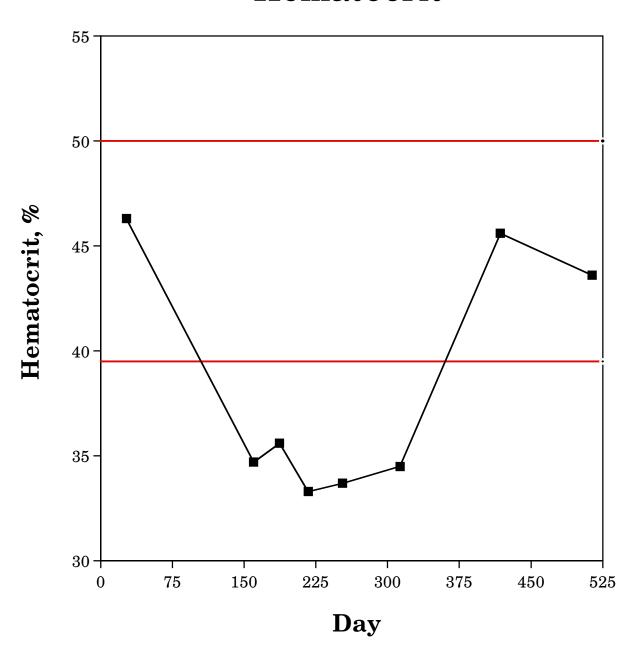
RBC



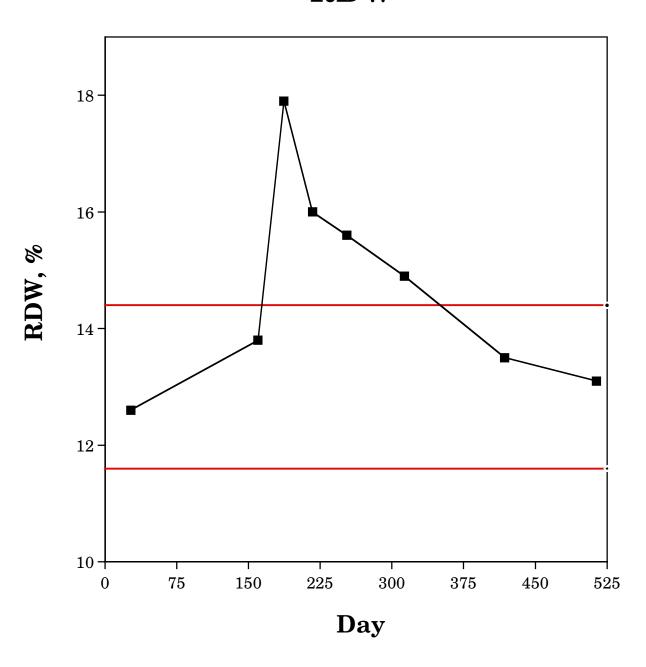
Hemoglobin



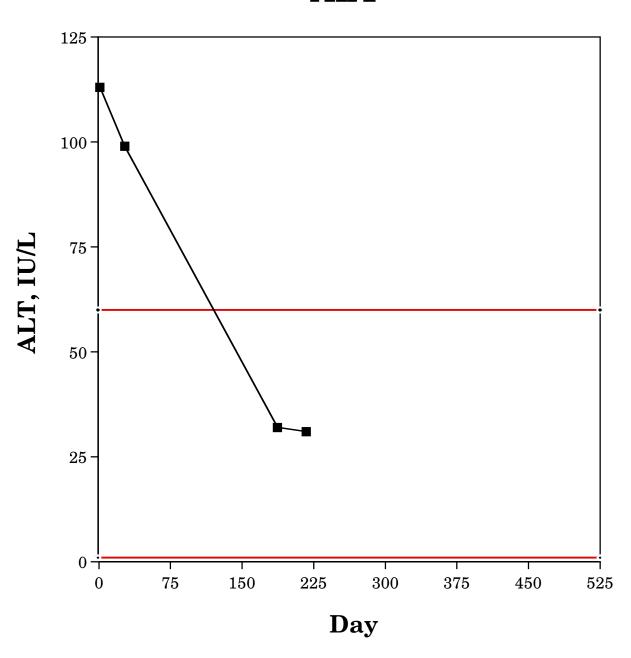
Hematocrit



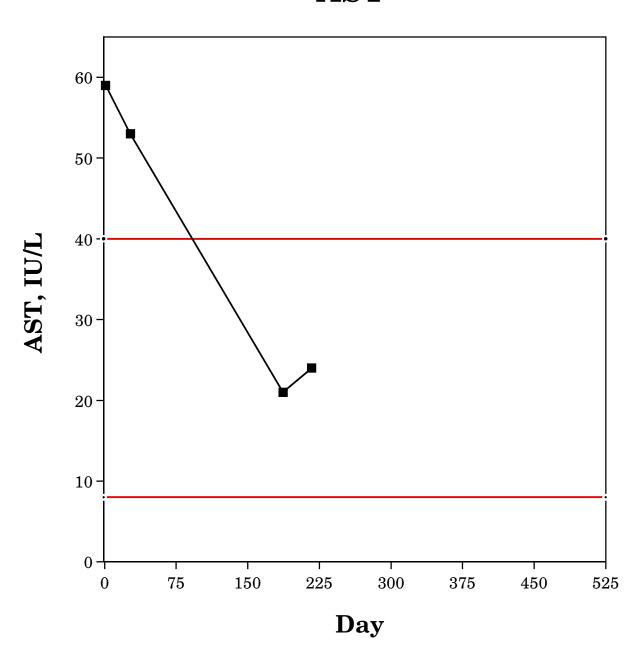
$\mathbf{R}\mathbf{D}\mathbf{W}$







AST



HCV

