Fernald Medical Monitoring Program

Laboratory Tests of Whole Blood or Serum

Panel	Test Name	Units of results	Labs	Initial Exam	Follow-Up Exams	Database File	Comments
Lipid Profile	Triglyceride	mg/dl	UC/Health Alliance/CCHMC	X	2, 3, 4, 5, 6, 7,8	CHOL.CHOL1	
	Cholesterol	mg/dl	UC/Health Alliance/CCHMC	X	2, 3, 4, 5, 6, 7, 8	CHOL.CHOL1	
	LDL (calc)	mg/dl	UC/Health AllianceCCHMC	X	2, 3, 4, 5, 6, 7, 8	CHOL.CHOL1	
	HDL Chol	mg/dl	UC/Health Alliance/CCHMC	X	2, 3, 4, 5, 6, 7, 8	CHOL.CHOL1	
	Appearance		UC/Health Alliance		2, 3	CHOL.CHOL1	
	CHR		Health Alliance		3		
	VLDL	mg/dl	Health Alliance		3		
Hematology	WBC	k/cumm; thousand cells per microliter	UC/Health Alliance/CCHMC	X	2, 3, 4, 5, 6, 7, 8	HEMA.HEMA1	
	RBC	m/cumm; million cells per microliter	UC/Health Alliance/CCHMC	X	2, 3,4, 5, 6, 7, 8	HEMA.HEMA1	
	HGB	g/dl	UC/Health Alliance/CCHMC	X	2, 3, 4, 5, 6, 7, 8	HEMA.HEMA1	
	HCT	%	UC/Health Alliance/CCHMC	X	2, 3, 4, 5, 6, 7, 8	HEMA.HEMA1	
	MCV	cu mic	UC/Health Alliance/CCHMC	X	2, 3, 4, 5, 6, 7, 8	HEMA.HEMA1	
	MCH	pg	UC/Health Alliance/CCHMC	X	2, 3, 4, 5, 6, 7, 8	HEMA.HEMA1	
	MCHC	%	UC/Health Alliance/CCHMC	X	2, 3, 4, 5, 6, 7, 8	HEMA.HEMA1	
	RDW	%	UC/Health Alliance/CCHMC	X	2, 3, 4, 5, 6, 7, 8	HEMA.HEMA1	
	Platelet Count	k/cumm; thousand cells per microliter	UC/Health Alliance/CCHMC	X	2, 3, 4, 5, 6, 7, 8	HEMA.HEMA1	
	MPV	fl	UC/Health Alliance		2 ,4	HEMA.HEMA1	
	Granule %	%	UC	X	2	HEMA.HEMA1	

Panel	Test Name	Units of results	Labs	Initial Exam	Follow-Up Exams	Database File	Comments
	Neutrophil %	%	Health Alliance		3, 4	HEMA.HEMA1	%?
	Lymphocyte %	%	UC/Health Alliance/CCHMC	X	2, 3, 4, 5, 6, 7, 8	HEMA.HEMA1	
	Monocyte %	%	Health Alliance/CCHMC		3, 4, 5, 6, 7, 8	HEMA.HEMA1	
	Eosinophil %	%	UC/Health Alliance/CCHMC		2, 3, 4, 5, 6, 7, 8	HEMA.HEMA1	
	BASO %	%	UC/Health Alliance/CCHMC		2, 3, 4, 5, 6, 7, 8	HEMA.HEMA1	
	Other %	%	UC	X	2	HEMA.HEMA1	
	Granule Abs	k/cumm; thousand cells per microliter	UC	X	2	HEMA.HEMA1	
	NEUT CT Abs	k/ul	Health Alliance		3, 4	HEMA.HEMA1	
	Lymph Abs	k/cumm; thousand cells per microliter	UC/Health Alliance/CCHMC	X	2, 3, 4,5, 6, 7, 8	HEMA.HEMA1	
	Other Abs	k/cumm; thousand cells per microliter	UC	X	2	HEMA.HEMA1	
	MONO Abs	k/ul	Health Alliance/CCHMC		3, 4, 5, 6, 7, 8	HEMA.HEMA1	
	EOS Abs	k/cumm; thousand cells per microliter	UC/Health Alliance/CCHMC	X	2, 3,4, 5, 6, 7, 8	HEMA.HEMA1	
	BASO Abs	k/cumm; thousand cells per microliter	UC/Health Alliance/CCHMC	X	2, 3, 4, 5, 6, 7, 8	HEMA.HEMA1	
Thyroid	T4, Total	mcg/dl	UC/Health Alliance	X	3	MISC.MISC1	
	T3				special	MISC.MISC1	
	TSH	IU/ml	Health Alliance/CCHMC		3,4, 5, 6, 7, 8	MISC.MISC1	Midway during the third exam cycle the program convert from doing T4s to TSHs because of cost and improved clinical value
Diagnostic Immunology	Beta-2 Microglobulin-serum	mcg/l		X	4, 5, 6, 7, 8	MISC.MISC1	Done only when urine Beta2 microglobulin above 250 ug/L

Panel	Test Name	Units of results	Labs	Initial Exam	Follow-Up Exams	Database File	Comments
Chemistry	Na	meq/l	UC/Health Alliance/CCHMC	X	2, 3,4, 5, 6, 7, 8	CHEM.CHEM1	
	K	meq/l	UC/Health Alliance/CCHMC	X	2, 3, 4, 5, 6, 7, 8	CHEM.CHEM1	
	Cl	meq/l	UC/Health Alliance/CCHMC	X	2, 3, 4, 5, 6, 7, 8	CHEM.CHEM1	
	Total CO2	meq/l	UC/Health Alliance/CCHMC	X	2, 3, 4, 5, 6, 7, 8	CHEM.CHEM1	
	BUN	mg/dl	UC/Health Alliance/CCHMC	X	2, 3, 4, 5, 6, 7, 8	CHEM.CHEM1	
	Creatinine	mg/dl	UC/Health Alliance/CCHMC	X	2, 3, 4, 5, 6, 7, 8	CHEM.CHEM1	
	Glucose	mg/dl	UC/Health Alliance/CCHMC	X	2, 3, 4, 5, 6, 7, 8	CHEM.CHEM1	
	Anion Gap		UC/CCHMC	X	2, 5, 6	CHEM.CHEM1	
	OSMO (Serum)	mosm/l	UC	X	2, 3	CHEM.CHEM1	
	Total Protein	gm/dl	UC/Health Alliance/CCHMC	X	4, 5, 6, 7, 8	CHEM.CHEM1	
	Uric Acid	mg/dl	UC/Health Alliance/CCHMC	X	3, 4, 5, 6, 7	CHEM.CHEM1	Not done after 12/01/06
	Ca (Serum)	mg/dl	UC/Health Alliance/CCHMC	X	3,4, 5, 6, 7, 8	CHEM.CHEM1	
	PO4 (Serum)	mg/dl	UC/Health Alliance/CCHMC	X	3, 4, 5, 6	CHEM.CHEM1	
	Gamma GT	miu/ml	UC/CCHMC	X	5, 6	CHEM.CHEM1	
	Albumin	gm/dl	UC/Health Alliance/CCHMC	X	4, 5, 6, 7, 8	CHEM.CHEM1	
	Bilirubin (total)	mg/dl	UC/Health Alliance/CCHMC	X	4, 5, 6, 7, 8	CHEM.CHEM1	
	Bilirubin (direct)	mg/dl	UC/Health Alliance/CCHMC	X	4, 5, 6, 7, 8	CHEM.CHEM1	
	SGPT/AST	miu/ml	UC/Health Alliance/CCHMC	X	4, 5, 6, 7, 8	CHEM.CHEM1	Liver profile only done on second or third exam if on lipid lowering drug or some other trigger, during 1994-1998.
	SGOT/ALT	miu/ml	UC/Health Alliance/CCHMC	X	4, 5, 6, 7, 8	CHEM.CHEM1	Liver profile only done on second or third exam if on lipid lowering drug or some other trigger, during 1994-1998.

Panel	Test Name	Units of results	Labs	Initial Exam	Follow-Up Exams	Database File	Comments
	Alk Phos	miu/ml	UC/Health Alliance/CCHMC	X	4, 5, 6, 7, 8	CHEM.CHEM1	Liver profile only done on second or third exam if on lipid lowering drug or some other trigger, during 1994-1998.
	CPK	miu/ml	UC	X		CHEM.CHEM1	Liver profile only done on second or third exam if on lipid lowering drug or some other trigger, during 1994-1998.
	LDH	miu/ml	UC	X		CHEM.CHEM1	Liver profile only done on second or third exam if on lipid lowering drug or some other trigger, during 1994-1998.
	Hemoglobin A1C	%	UC/Health		2, 3, 4, 5, 6,	CHEM.CHEM1	For Glucose >126 or ICD 250
	PSA	ng/ml	UC/Health Alliance/CCHMC		2, 3, 4, 5, 6, 7, 8	CHEM.CHEM1	Age 50 and older, starting with 3rd exam (1994)