

RUTGERS NJMS INSTITUTE OF GENOMIC MEDICINE

KEY

LAB	Contact laboratory for details on specimen collection
P	Lavender top/EDTA
G	Green top/Sodium Heparin
NP	Nasopharyngeal swab in UTM or VTM
FFPE	10 FFPE slides at 10 microns (including 1 H&E stained

Prenatal

CPT	Units	Description	IGM Test code	LAB	Shipping Temp	Container
82664	x1	ACETYLCHOLINESTERASE, AMNIOTIC FLUID*	ACHE	CYTOGENETICS	Room Temp	LAB
82106	x1	ALPHA FETOPROTEIN AMNIOTIC FLUID*	AAFP	CYTOGENETICS	Room Temp	LAB
88280, 88269, 88235,	Multiple codes	CHROMOSOME ANALYSIS, PRENATAL AMNIOTIC FLUID	CIS	CYTOGENETICS	Room Temp	LAB
88280, 88269, 88235,	Multiple codes	CHROMOSOME ANAL, CVS	CVS	CYTOGENETICS	Room Temp	LAB
88233, 88262	Multiple codes	CHROMOSOME ANALYSIS, PRODUCTS OF CONCEPTION	CPOC	CYTOGENETICS	Room Temp	LAB
87497	x1	CMV AMNIOTIC FLUID*	CMV AMNIOT	CYTOGENETICS	Room Temp	LAB
87497	x1	CMV AMNIOTIC FLUID*	CMV AMNIOT	CYTOGENETICS	Room Temp	LAB
81223	x1	CYSTIC FIBROSIS GENE DNA SEQ(CF2000)	CF2000	MOLECULAR	Room Temp	P
88233	x1	CYTOANAL, POC W/ REFLEX OF FAILED CULTURE TO MICROARRAY	CPOCFAIL	CYTOGENETICS	Room Temp	G AND P
81400	x1	DNA BANKING	DBNK	MOLECULAR	Room Temp	P
88366	x2	FISH5 Prenatal (X/Y/13/18/21)	FISH5	CYTOGENETICS	Room Temp	LAB
83033	x1	FETAL HEMOGLOBULIN, HBF, AMNIOTIC FLUID*	HGB F	CYTOGENETICS	Room Temp	LAB
81329	x1	SMA CARRIER DETECTION OR CONFIRMATION, SMA PRED OF DIS/SEVERITY	SMA	MOLECULAR	Room Temp	P
81361	x1	SICKLE CELL DISEASE GENE	SC	MOLECULAR	Room Temp	P
88233	x1	TC:NON-NEOPLAS DISORD SOLID TISSUE OR AMNIO FLUID	TC	CYTOGENETICS	Room Temp	LAB
87798	x1	TOXOPLASMOSIS AMNIOTIC FLUID*	TOXPLO P	CYTOGENETICS	Room Temp	LAB

Inherited Disease						
CPT	Units	Description	IGM Test code	LAB	Shipping Temp	Container
81404 (x1), 81406 (x1),	Multiple codes	AMYOTROPHIC LATERAL SCLEROSIS (ALS) SEQUENCING PNL	ALS	MOLECULAR	Room Temp	P
81404 (x1), 81406 (x1)	Multiple codes	AUTISM/INTELLECTUAL DISABILITY SEQUENCING PNL	AUT	MOLECULAR	Room Temp	P
CPT	Units	Description	IGM Test code	LAB	Shipping Temp	Container
81404 (x1), 81406 (x1), 81405 (x1)	Multiple codes	COMPREHENSIVE NEUROLOGY SEQUENCING	NEURO	MOLECULAR	Room Temp	P
81223	x1	CYSTIC FIBROSIS GENE DNA SEQ(CF2000)	CF2000	MOLECULAR	Room Temp	P
81400	x1	DNA SINGLE MUTATION	DNA	MOLECULAR	Room Temp	P
81161	x1	DUCHENNE MUSCULAR DYSTROPHY (DELETION/DUPLICATION)	DMD	MOLECULAR	Room Temp	P
81404 (x1), 81406 (x1)	Multiple codes	EPILEPSY & SEIZURE DISORDER SEQUENCING PNL	EPI	MOLECULAR	Room Temp	P
81243, 81244	Multiple codes	FRAGILE X SYNDROME GENE	FXMO	MOLECULAR	Room Temp	P
81256	x1	HEMOCHROMATOSIS (C282Y & H63D only)	HFE	MOLECULAR	Room Temp	P
81404 (x1), 81406 (x1), 81405 (x1)	Multiple codes	INHERITED RECESSIVE DISEASE SEQUENCING PANEL (440 GENES)	IRDP	MOLECULAR	Room Temp	P
81415	x1	MEDICAL EXOME (Phenotype driven)	MEDEX	MOLECULAR	Room Temp	P
81229	x1	MICROARRAY COMPARATIVE GENOMIC HYBRIDIZATION (CGH)	CGH	MOLECULAR	Room Temp	P
81460	x1	MITOCHONDRIAL DNA SEQUENCING	MITO	MOLECULAR	Room Temp	P
81234	x1	MYOTONIC DYSTROPHY, DM1 (DMPK repeat)	MYO	MOLECULAR	Room Temp	P
81407 (x1), 81406 (x1), 81405 (x1)	Multiple codes	NGS CUSTOM: 21 TO 75 GENES ANALYZED	NGS20	MOLECULAR	Room Temp	P
81407 (x1), 81406 (x1), 81405 (x1)	Multiple codes	NGS CUSTOM: UP TO 20 GENES ANALYZED	NGS20	MOLECULAR	Room Temp	P
81404 (x1), 81406 (x1), 81405 (x1)	Multiple codes	OPHTHALMOLOGY sequencing panel	OPHTH	MOLECULAR	Room Temp	P
81417	x1	Reanalysis of Data: MEDICAL EXOME (Phenotype driven)	RE_EXOME	MOLECULAR	Room Temp	LAB
81404	x1	SANGER Carrier Testing (per variant)	SANGER	MOLECULAR	Room Temp	P
81361	x1	SICKLE CELL DISEASE GENE	SC	MOLECULAR	Room Temp	P
81329	x1	SMA CARRIER DETECTION OR CONFIRMATION, SMA PRED OF DIS/SEVERITY	SMA	MOLECULAR	Room Temp	P

Cardiovascular Precision Medicine

CPT	Units	Description	IGM Test code	LAB	Shipping Temp	Container
	x1	Comprehensive Cardiovascular Panel	CARDIAC	MOLECULAR	Room Temp	P
	x1	Arrhythmia Comprehensive Panel	ARRHY	MOLECULAR	Room Temp	P
	x1	Cardiomyopathy Comprehensive Panel	CMYO	MOLECULAR	Room Temp	P
	x1	Hereditary Transthyretin-mediated amyloidosis	HTM	MOLECULAR	Room Temp	P
	x1	Comprehensive Lipidemia and Familial Hypercholesterolemia Panel	LIP	MOLECULAR	Room Temp	P
	x1	Aortic Disease Panel	AORTIC	MOLECULAR	Room Temp	P
	x1	Congenital Heart Disease Panel w/Microarray	CONGH	MOLECULAR	Room Temp	P
	x1	SCAD (Spontaneous Coronary Artery Dissection)	SCAD	MOLECULAR	Room Temp	P
	x1	Loeys-Dietz syndrome	LDS	MOLECULAR	Room Temp	P
	x1	Short QT Syndrome Panel	SQTS	MOLECULAR	Room Temp	P
	x1	Deletion/duplication for DMD	DMD	MOLECULAR	Room Temp	P
	x1	Spinal Muscular Atrophy (SMN1 & SMN2)	SMN	MOLECULAR	Room Temp	P
	x1	Hereditary Hemochromatosis	HFE	MOLECULAR	Room Temp	P
	x1	Sickle Cell Disease	SC	MOLECULAR	Room Temp	P
	x1	Myotonic Dystrophy (DM1)	DMPK	MOLECULAR	Room Temp	P
	x1	SNP Microarray Analysis, Constitutional	CGH	MOLECULAR	Room Temp	P
	x1	Inherited Recessive Disease Panel	IRDP	MOLECULAR	Room Temp	P
	x1	Medical exome	MEDEX	MOLECULAR	Room Temp	P
	x1	Mitochondrial DNA Sequencing	MITO	MOLECULAR	Room Temp	P

Cytogenetic Analysis

CPT	Units	Description	IGM Test code	LAB	Shipping Temp	Container
88230, 88262	Multiple codes	CHROMOSOME ANALYSIS, ROUTINE BLOOD, CONSTITUTIONAL	CBR	CYTOGENETICS	Room Temp	G
88261, 88230	Multiple codes	CHROMOSOME SCREENING/CONFIRMATION	CBR/S	CYTOGENETICS	Room Temp	G
88271	x1	FAILURE FISH (inadequate tissue)	FI/FISH	CYTOGENETICS	Room Temp	LAB
88230	x1	FAILURE; BLOOD	FI/BL	CYTOGENETICS	Room Temp	LAB
88237	x1	FAILURE; BONE MARROW/BLOOD/ LYMPH	FI/BM	CYTOGENETICS	Room Temp	LAB
88235	x1	FAILURE; CVS/AMNIOTIC FLUID	FI/AF	CYTOGENETICS	Room Temp	LAB

CPT	Units	Description	IGM Test code	LAB	Shipping Temp	Container
88233	x1	FAILURE; SKIN/POC	FI/SK	CYTOGENETICS	Room Temp	LAB
88366	x1	FISH- TRIPLE TRISOMY 5, 9, 15, MM, PCM/MGUS	FCINT301	CYTOGENETICS	Room Temp	G/FFPE
88366	x1	FISH/DERV OR MARKERS 2 STUDIES	F/MAR2	CYTOGENETICS	Room Temp	G
88365	x1	FISH/DERV OR MARKERS EA DNA PROBE	F/MAR	CYTOGENETICS	Room Temp	G
88240	x1	FREEZE (TISSUE BANKING)	FREZ	CYTOGENETICS	Room Temp	LAB
88241	x1	SKIN THAW AND CULTURE EXPANSION	THAW	CYTOGENETICS	Room Temp	LAB

Oncology

CPT	Units	Description	IGM Test code	LAB	Shipping Temp	Container
88237, 88264, 88280(X2)	Multiple codes	CHROMOSOME ANAL, LYMPH NODE	CLN	CYTOGENETICS	Room Temp	LAB
88233, 88262	Multiple codes	CHROMOSOME ANAL, SKIN OR FIBROBLAST	CST	CYTOGENETICS	Room Temp	LAB
88237, 88264, 88280(X2)	Multiple codes	CHROMOSOME ANALYSIS, BONE MARROW or BLOOD NEOPLASTIC DISORDERS	CBM	CYTOGENETICS	Room Temp	G
88239, 88264, 88280(X2)	Multiple codes	CHROMOSOME ANALYSIS, TUMOR	CTU	CYTOGENETICS	Room Temp	LAB
88239	x1	FAILURE; SOLID TUMOR	FI/CT	CYTOGENETICS	Room Temp	LAB
88366	X1	FISH- USP6 BA 17p13, Aneurysmal bone cyst	FCINT243	CYTOGENETICS	Room Temp	FFPE
88377	X2	FISH-1p36/1q25 & 19q13/19p13, GLIOMA	FCINT401	CYTOGENETICS	Room Temp	FFPE
88366	x1	FISH-1q21 gain /8p21 deletion, MM /PCM /MGUS	FCINT201	CYTOGENETICS	Room Temp	G/FFPE
88366	x1	FISH-4q12 (FIPL1/PDGFRA) rearrangement, CEL	FCINT207	CYTOGENETICS	Room Temp	G
88366	x1	FISH-ABL1/BCR (BCR/ABL) df, t(9:22), CML,ALL	FCINT214	CYTOGENETICS	Room Temp	G
88366	x1	FISH-ALK-BA 2p23, ALCL/ Inf. Myofibroblastic/ NSCLC	FCINT203	CYTOGENETICS	Room Temp	G/FFPE
88365	x1	FISH-ATM 11q22.3 deletion, CLL	FCINT04	CYTOGENETICS	Room Temp	G
88366	x1	FISH-BCL2 BA 18q21, B-cell lymphoma	FCINT233	CYTOGENETICS	Room Temp	G/FFPE
88366	x1	FISH-BCL6 BA 3q27,B-cell lymphoma	FCINT204	CYTOGENETICS	Room Temp	G/FFPE
88366	x1	FISH-BIRC3/MALT1 t(11;18), MALT/MZL	FCINT216	CYTOGENETICS	Room Temp	G
88366	x1	FISH-CBFB BA 16q22 inversion, AML M4	FCINT229	CYTOGENETICS	Room Temp	G
88366	x1	FISH-CCND1 (CyclinD1) BA 11q13 CLL, ALL, MCL	FCINT219	CYTOGENETICS	Room Temp	G
88366	x1	FISH-CCND1/IGH t(11:14), MCL	FCINT217	CYTOGENETICS	Room Temp	G

CPT	Units	Description	IGM Test code	LAB	Shipping Temp	Container
88365	x1	FISH-CDKN2A 9p21 deletion, ALL	FCINT03	CYTOGENETICS	Room Temp	G
88366	x1	FISH-CDKN2A 9p21 deletion, brain tumor	FCINT244	CYTOGENETICS	Room Temp	FFPE
88365	x1	FISH-CEP 12 Trisomy 12, CLL	FCINT05	CYTOGENETICS	Room Temp	G
88365	x1	FISH-CEP 8 Trisomy 8, MDS, CML, AML	FCINT02	CYTOGENETICS	Room Temp	G
88366	x1	FISH-CEPX/CEPY, BM TRANSPLANT	FCINT239	CYTOGENETICS	Room Temp	G
88366	x1	FISH-CLL PANEL 2_ATM(11Q22.3)-TP53(17P13.1)	FCINT218	CYTOGENETICS	Room Temp	G
88366	x1	FISH-CLL_PANEL 1_D13S319(13Q14.3)-LSI 13Q34-CEP12	FCINT302	CYTOGENETICS	Room Temp	G
88366	x1	FISH-D13S319 13q14.3 deletion/13q34, CLL, MM /PCM /MGUS	FCINT225	CYTOGENETICS	Room Temp	G/FFPE
88366	x1	FISH-D7S486 7Q31 DELETION/D7Z1, MDS, AML	FCINT209	CYTOGENETICS	Room Temp	G
88366	x1	FISH-DDIT3-BA(CHOP)12q13, Myxoid Liposarcoma	FCINT221	CYTOGENETICS	Room Temp	FFPE
88366	x1	FISH-EGFR 7P12 DELETION/D7Z1, MDS, AML	FCINT210	CYTOGENETICS	Room Temp	G
88366	x1	FISH-EGR1 5Q31 DELETION/D5S721-D5S23, AML, MDS	FCINT208	CYTOGENETICS	Room Temp	G
88377	x1	FISH-ERBB2(HER2/NEU),17Q11.2 BREAST, ENDOMETRIUM,OVARIAN CANCER	FCINT231	CYTOGENETICS	Room Temp	FFPE
88366	x1	FISH-ETV6/RUNX1 (TEL/AML1), T(12;21), AML	FCINT220	CYTOGENETICS	Room Temp	G
88366	x1	FISH-EWSR1 BA 22Q12, EWING SARCOMA	FCINT237	CYTOGENETICS	Room Temp	FFPE
88366	x1	FISH-FGFR3/IGH t(4;14), MM/PCM/MGUS	FCINT205	CYTOGENETICS	Room Temp	G/FFPE
88366	x1	FISH-FOXO1 BA (FKHR) 13Q14, RHABDOMYOSARCOMA	FCINT224	CYTOGENETICS	Room Temp	FFPE
88366	x1	FISH-FUS BA 16P11, LGFMS & MLS	FCINT230	CYTOGENETICS	Room Temp	FFPE
88366	x1	FISH-IGH BA 14Q32.3, B-CELL LYMPHOMA & MM, PCM/MGUS	FCINT226	CYTOGENETICS	Room Temp	G/FFPE
88366	x1	FISH-IGH/BCL2 t(14;18), FOLLICULAR LYMPHOMA	FCINT228	CYTOGENETICS	Room Temp	G/FFPE
88366	x1	FISH-IGH/MAF t(14;16).MM/PCM/MGUS	FCINT227	CYTOGENETICS	Room Temp	G/FFPE
88366	x1	FISH-KMT2A (MLL) BA 11q23 ALL, AML	FCINT215	CYTOGENETICS	Room Temp	G
88366	x1	FISH-MALTI BA 18q21, B-CELL LYMPHOMA	FCINT234	CYTOGENETICS	Room Temp	G

88377	x1	FISH-MDM2, 12q14.3-q15/D12Z3, SARCOMAS	FCINT222	CYTOGENETICS	Room Temp	FFPE
88377	x1	FISH-MET/D7Z,7q31.2, NSCLC	FCINT241	CYTOGENETICS	Room Temp	FFPE
88365	x1	FISH-MYB CEP6 6q22-23 deletion, CLL	FCINT01	CYTOGENETICS	Room Temp	G
88366	x1	FISH-MYC BA 8q24, B-cell lymphoma	FCINT211	CYTOGENETICS	Room Temp	G/FFPE
CPT	Units	Description	IGM Test code	LAB	Shipping Temp	Container
88366	x1	FISH-MYC/IGH t(8;14), Burkitt Lymphoma	FCINT212	CYTOGENETICS	Room Temp	G/FFPE
88377	x1	FISH-MYCN 2p23-24/D2Z1, Neuroblastoma	FCINT202	CYTOGENETICS	Room Temp	FFPE
88366	x1	FISH-PTPRT/MYLB2 20q deletion/inversion, MDS,AML	FCINT236	CYTOGENETICS	Room Temp	G
88366	x1	FISH-RARA BA 17Q21 REARRANGEMENT, AML M3	FCINT232	CYTOGENETICS	Room Temp	G
88366	x1	FISH-RB1 13q14 deletion/13q34, CLL, MM /PCM /MGUS	FCINT223	CYTOGENETICS	Room Temp	G/FFPE
88366	x1	FISH-RET BA, 10q11.21, NSCLC	FCINT242	CYTOGENETICS	Room Temp	FFPE
88366	x1	FISH-ROS1 BA, 6q21.1-22.3, NSCLC	FCINT240	CYTOGENETICS	Room Temp	FFPE
88366	x1	FISH-RUNX1T1/RUNX1,(ETO/AML), T(8;21), AML M2	FCINT213	CYTOGENETICS	Room Temp	G
88366	x1	FISH-Sex Determination, CEPX/CEPY	FINT201	CYTOGENETICS	Room Temp	G
88366	x1	FISH-SS18-BA (SYT), 18q11.2, Synovial Sarcoma	FCINT235	CYTOGENETICS	Room Temp	FFPE
88366	x1	FISH-TFE3-BA, Xp11, Renal Cell Carcinoma	FCINT238	CYTOGENETICS	Room Temp	FFPE
88366	x1	FISH-TP53 17P13.1 DELETION/D17Z1, CLL, MM, PCM/MGUS	FCINT06	CYTOGENETICS	Room Temp	G/FFPE
88365	x1	FISH-TRISOMY 13(RBI),13q34	FINT01	CYTOGENETICS	Room Temp	G
88365	x1	FISH-TRISOMY 18 (D18Z1),18cen	FINT02	CYTOGENETICS	Room Temp	G
88365	x1	FISH-TRISOMY 21(LS1 21), 21q22	FINT03	CYTOGENETICS	Room Temp	G
81445	x1	ONCOLOGY 50 GENE ACTIONABLE MUTATION SEQUENCING PANEL-SOLID	ONCOLOGY	MOLECULAR	Room Temp	FFPE
88237	x1	TISSUE CULTURE FOR NEOPLAS DISORD, BONE MARROW, BLOOD	TC/NEO	CYTOGENETICS	Room Temp	LAB
88239	x1	TISSUE CULTURE:NEOPLAS DISORD SOLID TUMOR	TCT	CYTOGENETICS	Room Temp	LAB

KEY

LAB	Contact laboratory for details on specimen collection
P	Lavender top/EDTA
G	Green top/Sodium Heparin
NP	Nasopharyngeal swab in UTM or VTM
FFPE	10 FFPE slides at 10 microns (including 1 H&E stained