

UPMC Cytogenetics Laboratory - Test Turnaround Times (TAT)

Test Method	Test Name	Specimen Type	Expected TAT
Chromosome Analysis (Karyotype)	Chromosome Analysis (Karyotype)	Amniotic Fluid (AF)	≤ 14 days
		Chorionic Villus (CVS)	≤ 14 days
		Bone Marrow(BM)/ Cancer Blood(CA)/ Lymph Node(LN)	≤ 14 days
		Cord Blood (non-STAT)	≤ 14 days
		Peripheral Blood (PB)	≤ 21 days
		Solid Tissue (TC-POC)	≤ 30 days
		Tumor	≤ 42 days
	STAT Karyotype to r/o Trisomy	Peripheral/Cord Blood	Prelim.(verbal): ≤ 48 hrs.¹; Final: 7 days
FISH (Constitutional & Prenatal)	Prenatal Panel	AF or CVS	≤ 48 hrs. ¹
	Deletion Syndrome FISH	AF or CVS	≤ 14 days
		Peripheral Blood (PB)	≤ 21 days
	FISH for Sex Chromosome Mosaicism	Peripheral Blood (PB)	≤ 21 days
		Buccal Swab	≤ 21 days
	Urine	≤ 21 days	
	BAC FISH (Parental follow-up)	Peripheral Blood (PB)	≤ 8 weeks
FISH to r/o Molar Pregnancy	Paraffin Section (POC)	≤ 21 days	
STAT FISH to r/o Trisomy	Peripheral or Cord Blood	≤ 48 hrs. ¹	
FISH (Oncology)	HER2/Neu FISH	Breast Paraffin	≤ 7 days
	PML/RARA STAT FISH	BM/CA	New Dx.: ≤ 24 hrs.
	BCR/ABL1 STAT (when ordered with PML/RARA STAT FISH)	BM/CA	New Dx.: ≤ 24 hrs.
	RUNX1T1/RUNX1, CBFβ, KMT2A	BM/CA	New Dx.: ≤ 72 hrs.¹
	B-ALL Panel/Integrated B-ALL Panel	BM/CA	New Dx./Relapse: ≤ 7 days
			Follow up: ≤ 14 days
	AML Panel/Integrated AML Panel	BM/CA	New Dx./Relapse: ≤ 7 days
			Follow up: ≤ 14 days
	CLL Panel/Integrated CLL Panel	BM/CA/LN	New Dx./Relapse: ≤ 14 days
			Follow up: ≤ 14 days
	Lymphoma Panel	BM/CA/LN	New Dx./Relapse: ≤ 14 days
			Follow up: ≤ 14 days
	MDS Panel	BM/CA	New Dx./Relapse: ≤ 14 days
			Follow up: ≤ 14 days
MM Panel/Integrated MM Panel	BM/CA	New Dx./Relapse: ≤ 14 days	
		Follow up: ≤ 21 days	
MPD Panel	BM/CA	New Dx./Relapse: ≤ 14 days	
		Follow up: ≤ 14 days	
T-ALL Panel	BM/CA	New Dx./Relapse: ≤ 14 days	
		Follow up: ≤ 14 days	
Non-Panel FISH (indiv. Probes) & Follow-Up FISH	BM/CA/LN	New Dx./Relapse: ≤ 14 days	
		Follow up: ≤ 14 days	
Array CGH (Microarray)	SNP Combo Array (Constitutional)	AF/CVS (uncultured)	≤ 14 days
		AF/CVS (cultured cells)	≤ 30 days
	SNP Combo Array (Constitutional)	Blood/Solid Tissue	≤ 21 days
	High Resolution X-Array	PB	≤ 42 days
	Preimplantation Genetic Screening Array	Embryo Biopsy	≤ 14 days
	Multiple Myeloma Microarray	BM/CA	≤ 21 days
Oncology Microarray (for B-ALL, AML, CLL, MDS)	BM/CA	≤ 14 days	

¹ TAT may be extended longer due to weekends/holidays as per Director discretion/approval.