

Type of analysis		Sample type ^{##}	Sample amount ^{##}		Transport temperature	Maximum transport time
			Minimum	Ideal		
Molecular Genetics ^{†††}	Next-Generation Sequencing Sanger Sequencing Repeat Expansion Methylation Deletion/Duplication	EDTA blood	2 ml	4 ml	Room temperature	3-7 days
		DNA (50 ng/μl)	1.5-3 μg	10 μg		N.A.
Cytogenetics	Karyotyping FISH	Peripheral heparin blood	2 ml	4 ml		3-7 days
		Newborns, and umbilical cord heparin blood	0.5 ml	>1 ml		
		Chorionic villus sampling (CVS), Amniotic fluid (AF)	10 mg	20 mg		
			5 ml	15 ml		
		cell culture: 1-2 T25 flasks				
	Products of conception	N.A.				
	Chromosomal Microarray Analysis [‡]	EDTA blood	2 ml	4 ml		
CVS, AF		(see above)				
DNA (50 ng/μl)		1.5-3 μg	10 μg			

N.A. = Not applicable; DNA is stable at room temperature.

- * Clinical specimens fall into UN 3373 “Biological substance, Category B” and must be transported in compliance with 49 CFR, Part 173.199 or IATA Packing Instruction 650. Should a sample arrive mislabeled, unlabeled, or damaged, we reserve the right to not perform analysis.
- ** In some cases, molecular genetic analyses can be performed with DNA obtained from saliva or buccal swabs. For more information, please contact us at inquiry@mgz-muenchen.com.
- † Unless **maternal cell contamination** is excluded by another laboratory, we recommend sending us a maternal EDTA blood or blood-DNA sample for all prenatal molecular genetic analyses in order to exclude maternal cell contamination.
- ‡ Should a sample prove to be of insufficient quality and/or quantity or is the wrong type of sample material for the analysis requested, the sample will be placed on hold and we will contact you prior to starting.

Please contact us in advance of sending samples for prenatal analysis.

Shipping address (sample receipt Monday through Friday only):

MGZ – Medical Genetics Center
Bayerstr. 3-5, Receiving Department: Schlosserstr. 4
80335 Munich
GERMANY

Questions? Contact us at inquiry@mgz-muenchen.com