

Oncology Specimen Requirements Quick Summary

Specimen	Anatomic Pathology	Flow Cytometry	Cytogenetics	FISH	Molecular
Peripheral blood	1 slide air dried ²	4.0 mL (1.0 mL) in Sodium Heparin (EDTA accepted) ¹	7.0 mL (5.0 mL) in Sodium Heparin ²	5.0 mL (3.0 mL) in Sodium Heparin or EDTA ³	5 mL (3 mL) in EDTA ³ , Sodium Heparin or ACD. (10mL min. for BCR ABL, ABL, PML/RARA)
Bone marrow aspirate	4.0 mL (0.5 mL) in Sodium Heparin or EDTA. ² 4-6 slides air dried ⁴	2.0 mL (0.5 mL) in Sodium Heparin (EDTA accepted) ¹	3.0 mL (1.0 mL) in Sodium Heparin ²	3.0 mL (1.0 mL) in Sodium Heparin or EDTA ³	3.0 mL (1 mL) in EDTA ³ , Sodium Heparin or ACD
Bone marrow core biopsy	1cm Formalin or B-Plus ⁴	2 cm (1 cm) in 2-4 mL transport media ¹	5 mm ³ in 2-4 mL transport media ²		5 mm ³ in 2-4 mL transport media ⁵ (gene rearrangements)
Fresh tissue	Surgical samples in 10% neutral buffered formalin ⁴	5 mm ³ in 2-4 mL transport media ¹	5 mm ³ in 2-4 mL transport media ²	5 mm ³ in 2-4 mL transport media ⁵	5 mm ³ in 2-4 mL transport media ⁵ (gene rearrangements)
Frozen tissue					5 mm ³ in 2-4 mL transport media ⁶ (gene rearrangements)
Paraffin embedded tissue	Formalin fixed Block ⁴ Slides x3 for each analyte 3microns on "plus" slides ⁴			Formalin fixed Block ⁴ and/or 3-4 slides 5 microns (Solid tumor FISH)	Formalin fixed Block ⁴ and / or 3-5 slides 5 microns
FNA		Adequate sample ¹	4.0 mL (2.0 mL) in 2-4 mL transport media ²	3.0 mL (2.0 mL) in 2-4 mL transport media ⁵	3.0 mL (2.0 mL) in 2-4 mL transport media ⁵ (gene rearrangements)
Fluids		4.0 mL (0.5 mL) in sterile container ¹	15 mL in plain tube ²		
Bladder washings or urine				50 mL (35 mL) in PreservCyt® 1,2	
NOTES	Include CBC report for BMPE. Include any pathology reports, history & differential diagnosis. In hot weather ship with separate cool pack (specimen should not come into contact)	Ship with separate cool pack (specimen should not come into contact)	Send WBC count with requisition. Ship ambient overnight, In hot weather ship with separate cool pack (specimen should not come into contact)	Ship with separate cool pack (specimen should not come into contact)	Ship with separate cool pack (specimen should not come into contact)

STABILITY: 1. 4°C for 48 hours 2. RT 18-25°C for 48 hours 3. RT 18-25°C for 72 hours 4. RT 18-25°C indefinite 5. 4°C for 72 hours 6. -20°C indefinite

For a complete test menu and specimen requirements please visit www.mplnet.com or call Client Services at 800.932.2943