



Pharma Services Specimen Requirements & Handling Procedures

We accept additional samples types and inputs, please email PharmaPM@neogenomics.com if you have custom requirements

Specimen Type	Cytogenetics	FISH	Flow Cytometry	Bone Marrow Morphology	IHC	Molecular	MultiOmyx™	Storage and Transport
Bone Marrow Aspirate	Sodium heparin 1-2 mL (Green Top)	Sodium heparin 1-2 mL (Green Top) Note 5	EDTA 1 mL (Purple Top) Provide CBC Note 6	EDTA with 4-6 smears/slides Note 6	Not Applicable	EDTA 2 mL (Purple Top)	Not Applicable	Notes 1, 3
Peripheral Blood	Sodium heparin 2-5 mL (Green Top) Provide CBC	Sodium heparin 2-5 mL (Green Top) Note 5	EDTA 1 mL (Purple Top) Provide CBC Note 6	EDTA with 2-3 smears/slides Note 6	Not Applicable	EDTA 5 mL (Purple Top)	Not Applicable	Notes 1, 3
Bone Marrow Core Biopsy and/or Aspirate Clot (10% NBF)	Not Applicable			Core length 1-2 cm; 10x formalin to specimen volume; Note 7	Core length 1-2 cm and clot sent in separate formalin containers	Not Applicable		Note 1
Fresh Bone Marrow Core Biopsy	Core length 1-2 cm Tissue in RPMI			Not Applicable		EDTA 2 mL (Purple Top)	Not Applicable	Notes 1, 3
Fresh/Unfixed Tissue	Tissue in RPMI Two pieces minimum 0.2 cm ³		Tissue in RPMI	Not Applicable		Tissue, fresh in RPMI, or frozen Two pieces minimum 0.2 cm ³	Not Applicable	Notes 2, 3, 4
Fluids	Not Applicable	Equal part RPMI to specimen volume		Not Applicable		Fresh, no preservative	Not Applicable	Notes 2, 3
Paraffin Block or Cut Slide	Not Applicable	Suitable for select assays; see Note 8	Not Applicable		FFPE tissue block or 3-4 µm sections on positively charged slides (4-5 µm thick for ISH), at least 3 slides per antibody. No additives in water bath.	Suitable for select assays; see Note 9.	FFPE tissue block or 3-4 µm tissue sections on Fisher brand Superfrost™ Plus positive-charged microscope slides; Note 10. No additives in water bath.	Note 1
Voided Urine	Not Applicable	30-50 mL with supplied fixative tablet	Not Applicable			NeoLAB™ Prostate only	Not Applicable	Notes 2, 3

Notes:

1. Use cool pack during transport. Overnight delivery or courier pickup.
2. Refrigerate and use cool pack during transport. Overnight delivery or courier pickup.
3. Ship same day as drawn whenever possible; specimens less than 72 hours old preferred. This does not apply to fixed specimens.
4. Fresh/unfixed tissue may be sent frozen for Molecular testing.
5. EDTA acceptable if sodium heparin not available
6. Sodium heparin acceptable if EDTA not available
7. Additional 2 touch imprints preferred.
8. See website to confirm availability. Requires one H&E slide plus paraffin block or 4 unstained slides cut at 4-5µm. Use positively-charged slides and 10% NBF fixative. Avoid zinc fixatives.
9. See website to confirm availability. Requires one H&E slide plus paraffin block or 5-10 unstained slides cut at 5µm or more. Use positively-charged slides and 10% NBF fixative. Avoid zinc fixatives.
10. Fisher Scientific catalog number 12-550-15

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