

# Sample Type Recommendations

FoundationOne®Heme is a comprehensive genomic profiling test for hematologic malignancies and sarcomas. If you have questions regarding preparation and shipment of samples, please refer to our Specimen Instructions (<https://www.foundationmedicine.com/genomic-testing/foundation-one-heme>).

FoundationOne Heme has been validated for the following sample types<sup>1</sup>:

- Peripheral Whole Blood
- Bone Marrow Aspirate
- FFPE Tissue
- Extracted Nucleic Acid

For questions regarding sample types, please contact Client Services to be connected with one of our pathologists. Do not submit any sample type not listed above Without consultation with a Foundation Medicine pathologist.

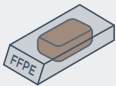
Below are general guidelines regarding suggested sample types, however, the most appropriate sample type is patient-dependent and requires **≥ 20% lesional/tumor nuclei**. For more information on preparation of each of these sample types, please refer to our Specimen Guidelines

## Acute Leukemia, MDS, MPN, MDS/MPN



### PREFERRED SAMPLE TYPES:

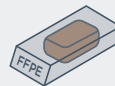
Peripheral Whole Blood or  
Bone Marrow Aspirate



### SECONDARY SAMPLE TYPE:

Bone Marrow FFPE clot section

## Lymphoma



### PREFERRED SAMPLE TYPE:

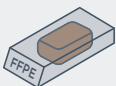
FFPE biopsy material



### SECONDARY SAMPLE TYPE:

Peripheral Whole Blood

## Sarcoma



### PREFERRED SAMPLE TYPE:

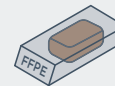
FFPE biopsy material

## Multiple Myeloma



### PREFERRED SAMPLE TYPE:

Bone Marrow Aspirate



### SECONDARY SAMPLE TYPE:

Bone Marrow FFPE clot section

DO NOT USE strong acids (e.g. hydrochloric acid, sulfuric acid, picric acid) as these destroy nucleic acid. When decalcification is required, the use of EDTA is recommended.

Extracted Nucleic Acid (DNA and RNA) from any sample that has adequate tumor is acceptable.

Peripheral whole blood and bone marrow aspirate must be received the day after collection for optimal analysis, as the specimen may degrade with time.

<sup>1</sup> He, J et al. *Blood*. 2016 Jun 16; 127(24): 3004-3014