



If reflex testing for myelodysplasia-associated mutations is desired, consider ordering [NGSHM / OncoHeme Next-Generation Sequencing \(NGS\)](#), [Hematologic Neoplasms](#).

*A MDS FISH study with a specific probe but without chromosome analysis may be sufficient in a follow-up bone marrow study for a previously diagnosed MDS with specified genetic anomaly.

**MDS FISH does not increase the detection of MDS if chromosome analysis is successful and ≥20 metaphases are analyzed. Thus, MDS FISH studies should be ordered at the discretion of the cytogeneticist if <20 metaphases are identified, if there is an unresolved karyotype, or if only 1 abnormal metaphase is identified.