Hematologics Flow Cytometric Cell Sorting of Plasma and Lymphoid cells increases the specificity of MYD88 L265P detection by 33% which allows for a more accurate diagnosis of Waldenström/Lymphoplasmacytic Lymphoma.

- MYD88 L265P is not restricted to a LPL/WM diagnosis, it can also be found in IgM monoclonal gammopathy of undetermined significance or Splenic Marginal Zone Lymphoma and other B-cell chronic lymphoproliferative disorders.

- A confirmed diagnosis of WM/LPL has MYD88 L265P mutations in both Lymphoid and Plasma cell populations.

Hematologics Flow Cytometric Cell Sorting of Plasma and Lymphoid cells increases the sensitivity of CXCR4 detection by 63%

- A mutation in CXCR4 may promote resistance to Ibrutinib, a Bruton's tyrosine inhibitor used in the treatment of WM.