

## Topoisomerase 1 (Top1) Immunoassay Quality Control & Trouble Shooting Guide

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### **SOP340703 PBMC Protein Extraction for Top1 Immunoassay**

1. *A frequent issue with PBMC protein extracts is high viscosity due to DNA. This can be addressed by warming the extracted and boiled specimen to room temperature, or by treatment with DNase prior to use in SOP340701.*

For DNase treatment, use the Trevigen DNase protocol for PBMCs (included in instructions with Trevigen, Cat#: 4510-096-K)

- a. Add 0.01 volume of 100X Magnesium Cation (Trevigen, Cat#: 4500-096-09) and 2  $\mu$ L of DNase I (2 Units/ $\mu$ L; Trevigen, Cat#: 4500-096-08). Vortex briefly and incubate at 37°C for 90 min.

### **SOP340702 Biopsy Specimen Processing for Top1 Immunoassay**

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