

## Topoisomerase 1 (TOP1) Immunoassay

### Frequently Asked Questions

---

**SOP340703 PBMC PROTEIN EXTRACTION FOR TOP1 IMMUNOASSAY**

1. *Why is cell number rather than protein level used to normalize the Top1 levels in PBMCs?*

Contamination of serum proteins can lead to artificially high protein values because albumin cannot be consistently removed. Therefore, for PBMCs, the cell count is used for normalization.

2. *Do PBMCs function as a surrogate tissue to measure Top1 levels in patients undergoing Top1 inhibitor treatment?*

To date, NCI and SAIC-F have not been able to measure changes in Top1 levels in PBMCs that would provide a surrogate response of drug effect compared to Top1 levels measured in tumor biopsy samples.

**SOP340702 BIOPSY SPECIMEN PROCESSING FOR TOP1 IMMUNOASSAY****SOP340701 TOP1 IMMUNOASSAY****SOP340704 TOP1 IMMUNOASSAY QUALITY CONTROL, DATA ANALYSES, AND REPORTING**

1. *Where do I get the Excel and GraphPad template files for quality control and data analyses?*

These documents are supplied to DCTD Certified Assay Operators during their training session. Updated versions can be requested through your trainer for the course.