**Experimental Protocol:** Punch out 10 µl of dried blood from Whatman 903 dried blood card and add to centrifuge tube. Add 100 µl of extraction buffer (0.01 M KPO₄ pH 7) and vortex for 30 minutes then centrifuge for 5 minutes at 10,000xg. Add 1:10 v/v ratio, sample: HemogloBind™ suspension and vortex for 10 minutes then centrifuge for 4 minutes at 10,000xg. Supernatant contains the blood proteome severely depleted of hemoglobin.

**Comparison of blood proteome efficiently extracted from the dried blood**

- **280nm Total Protein Spectrum**
  - Extracted from blood card
  - Whole Blood

- **410nm Hemoglobin Spectrum**
  - Extracted from blood card
  - Whole Blood

**References For Dried Blood Spots**

**Citation:** Michelle R. Robinson, Lei Guo; Raymond J. Gonzalez; Kara M. Pearson; Kevin P. Bateman; Daniel S. Spellman. Differentiating Modes of Drug Induced Liver Injury Using Parallel Reaction Monitoring LC-MS. ASMS Conference 2017 poster report. "Hemoglobin depletion improves PRM panel coverage in DBS and volumetric adsorptive microsampling (VAMS)."

**Citation:** Hakuna, Lovemore, et al. "A simple assay for glutathione in whole blood." Analyst (2015). (http://pubs.rsc.org/en/content/articlelanding/2015/an/c5an00345h)

"...Hb can be removed using a commercial product, HemogloBind™, which can isolate and remove up to 90% of blood Hb."