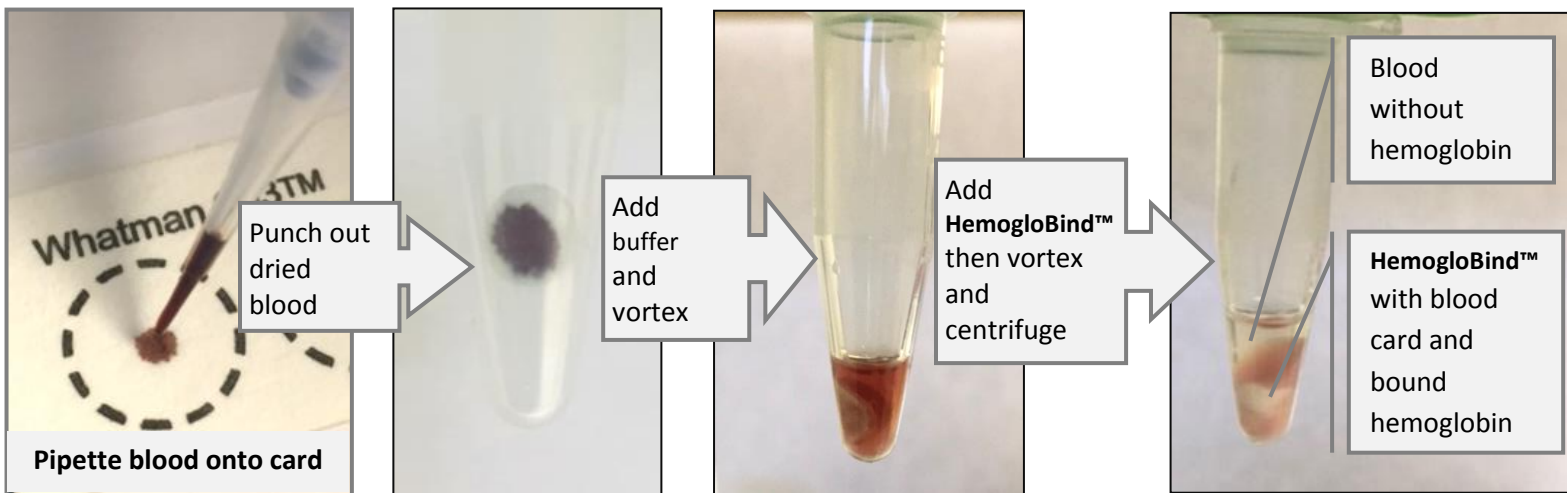




# HemogloBind™

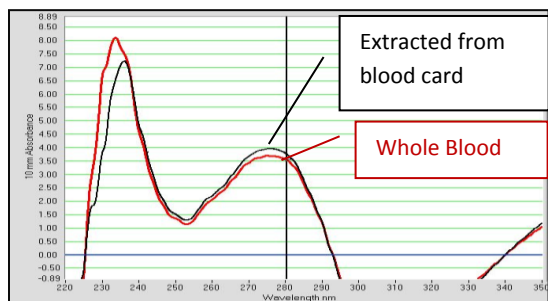
## Dried blood card application

**BIO TECH SUPPORT GROUP**  
Sample Prep that Matters

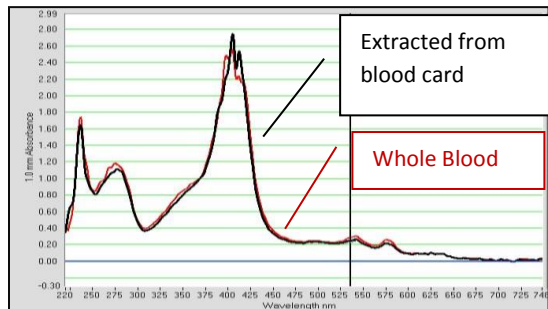


**Experimental Protocol:** Punch out 10 µl of dried blood from Whatman 903 dried blood card and add to centrifuge tube. Add 100 µl of extraction buffer (0.01M KPO<sub>4</sub> pH 7) and vortex for 30 minutes then centrifuge for 5 minutes at 10,000xg. Add 1:10 v/v ratio, sample:HemogloBind™ suspension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



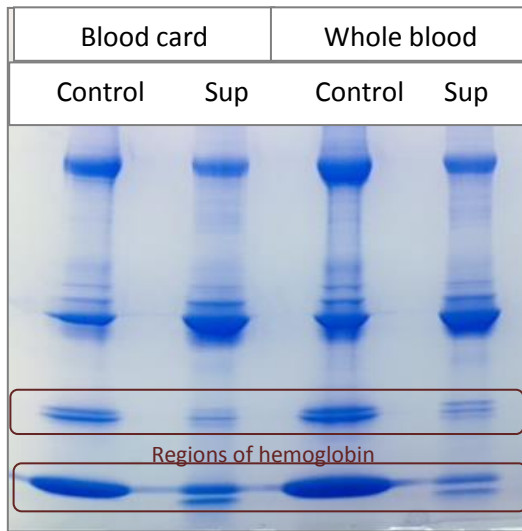
**280nm**  
**Total Protein Spectrum**



**410nm**  
**Hemoglobin Spectrum**

### Comparison of blood proteome efficiently depleted of Hemoglobin using HemogloBind™ from both whole blood and from the dried blood

**Sup – Supernatant after HemogloBind™**



### 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."