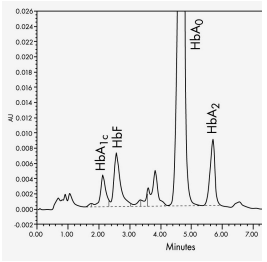
Mar 09, 2019 Version 1

HPLC sample prep V.1



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Protocol status: Working
We use this protocol and it's working

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Abstract

Preparation of blood for hemoglobin separation (ion-exchange and reverse-phase HPLC).

1 Prepare 1.5mL Eppendorf tubes with 200uL of Hemolysate Reagent

2 Add 1uL of blood to tube, and vortex for 5 seconds.

3 Centrifuge at max speed for 10 minutes

4 Pipette out 75-100uL of supernatant into HPLC vial, careful not to disturb DNA pellet at the bottom of the tube. If pipette tip appears sticky after removal from supernatant you may have taken the DNA. Instead, disgard the sticky debris and pipette from remainder of supernatant. (The DNA and cell debris will stay together, once it is removed only desired hemolysate will remain).

5 Ensure vial is labeled appropriately, and no bubbles are present at the bottom of the vial. Bubbles can be removed by tapping the vial gently on the benchtop or removing by pipette.

6 **Reserve HPLC time on the calendar, provide sample list and samples to JJZ