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Hemolysis measurement of plasma/serum samples with Nanodrop ND1000

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Works for me

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ABSTRACT

This protocol describes how to measure hemolysis on plasma or serum samples.

Before you start

- 1 Place: room 120.042, 2nd floor MRB1



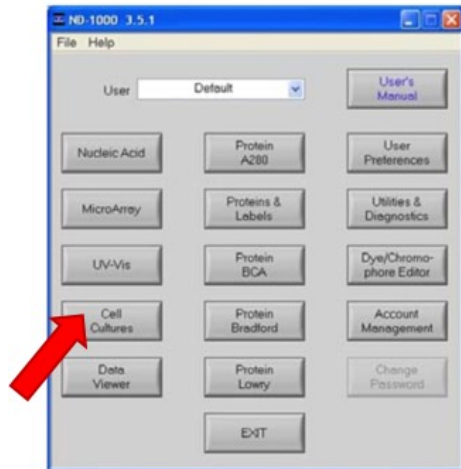
- Aliquot 3 ul plasma sample in a separate tube (can be left at room temperature)
- Open sample arm and clean sample pedestal with an ethanol-dipped swab (dust-free). Swabs are standing next to the machine.
- Clean the sample pedestal with a dry swab (dust-free).



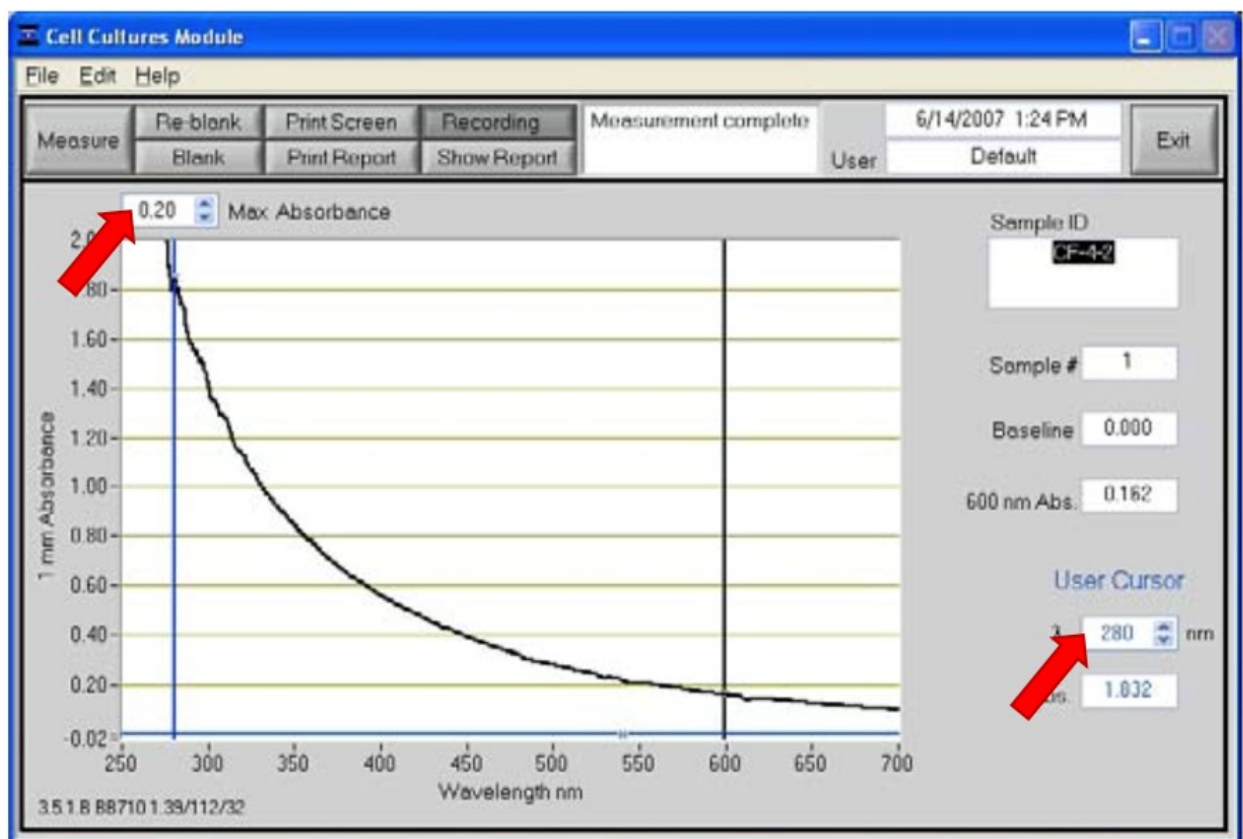
Preparing hemolysis measurement

2

- start ND-1000 software
- choose 'Cell cultures'



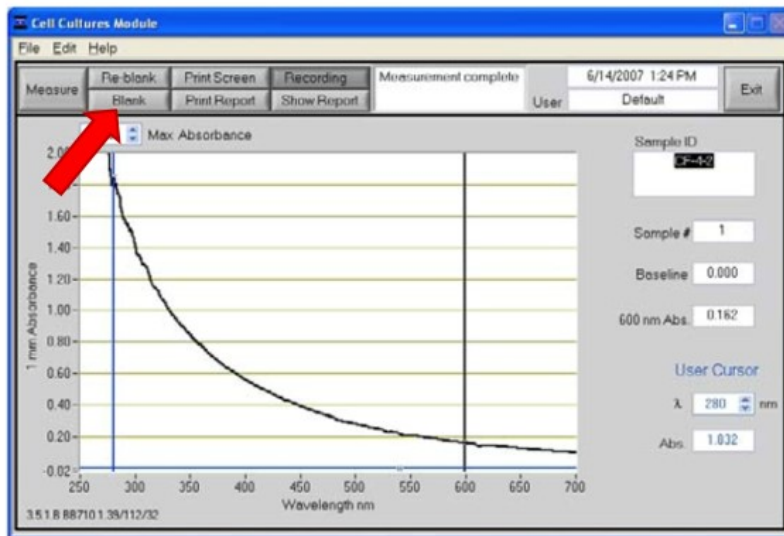
- change max. absorbance from 0.2 to 2 (rescales the vertical axis)
- change wavelength (lambda) to 414 nm



Load blank sample

3

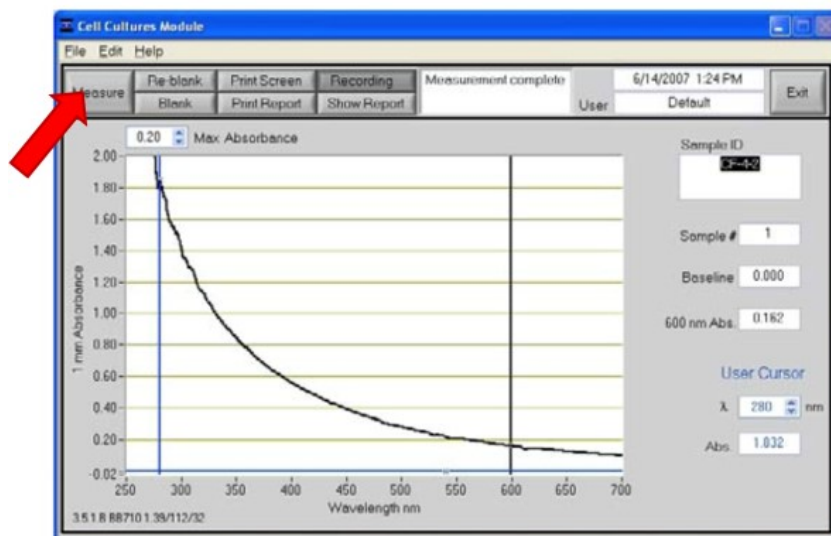
- pipet 1 ul water to the sample pedestal, using reverse pipetting to avoid bubbles (use an unused water tube)
- gently close the sample arm
- click 'blank' to calibrate the machine. If the wave shows peaks, repeat the pipetting and re-blank



Measure blank sample

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- open sample arm and clean pedestal with a dust-free swab
- (to have a good reference, the first sample we measure is always a water sample)
- pipet 1 ul water to the sample pedestal, using reverse pipetting to avoid bubbles (use an unused water tube)
- gently close the sample arm
- click 'measure' to measure water sample



Measure plasma/serum sample(s)

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- open sample arm and clean pedestal with a dust-free swab
- pipet 1 ul plasma sample to the sample pedestal, using reverse pipetting to avoid bubbles
- gently close the sample arm
- click 'measure' to measure first sample
- (repeat steps above for other samples)
- clean sample pedestal and close sample arm

Export results

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- choose 'Reports' > Export Report Table Only and save to USB stick (only Excel table, no full report with wavelength plots)



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