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Title (English) SPR-based method for concentration determination of proteins in a complex environment			
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Abstract In this project a method based on surface plasmon resonance has been developed for determining the concentration of several His-tagged proteins in complex solutions. It showed large dynamic range, no measureable non-specific binding and high sensitivity (with linear range around 0.1 – 10 µg/ml depending on the proteins). The method showed a low variation when checked on MBP-His during an extended time period. The concentrations of the His-tagged protein in the lysate has also been determined and compared with other alternative methods. This method will later be used to analyse protein concentrations during development and optimization of chromatographic purification process.			
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