

Název: Comparison of Brdicka reaction of PNA measured by differential pulse voltammetry and differential pulse voltammetry coupled with adsorptive transfer stripping technique

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Datum: 14.2.2014

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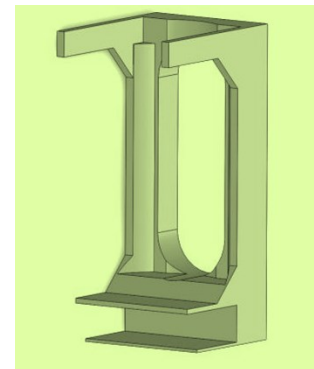
Why is PNA?

Why is Brdicka reaction?

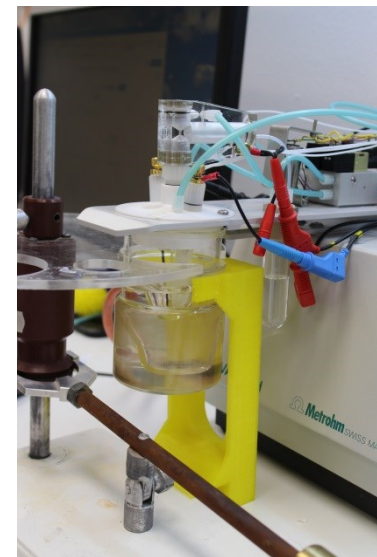
MATERIALS AND METHODS



- PNA influenza A virus H5N1, cyteine-CTT CAA GGA G was used in this study

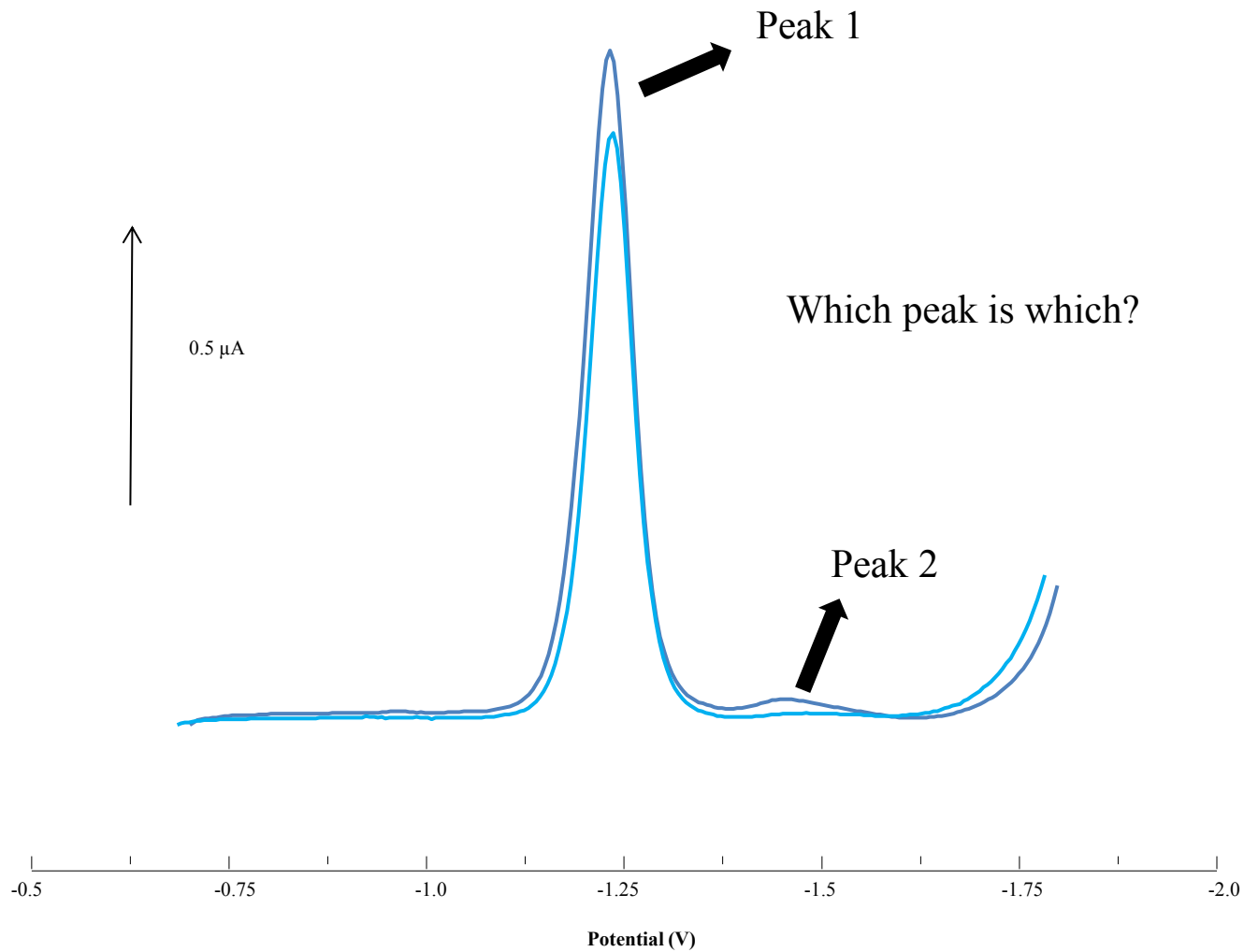


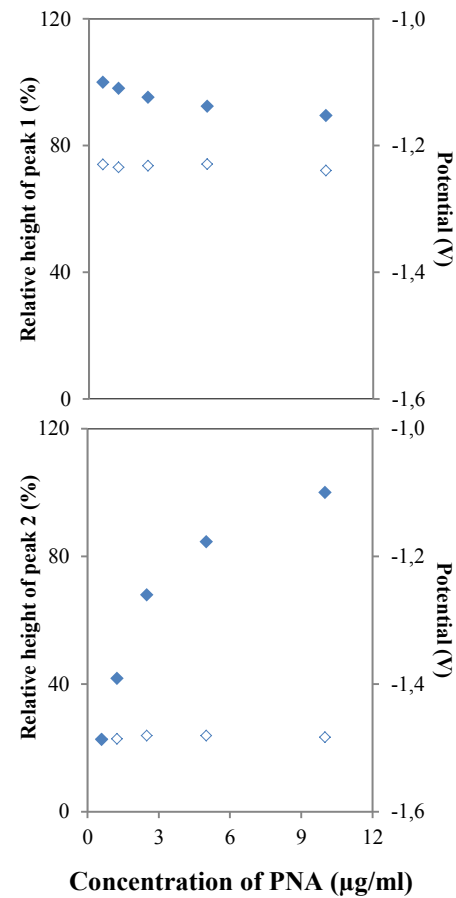
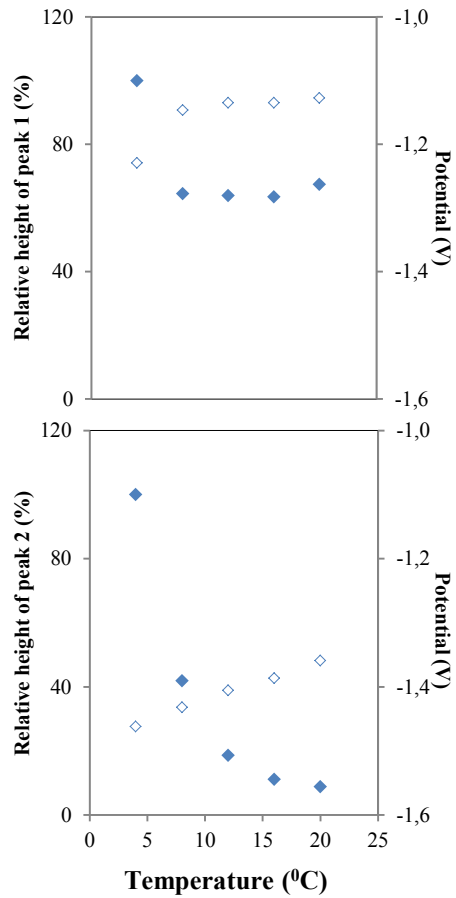
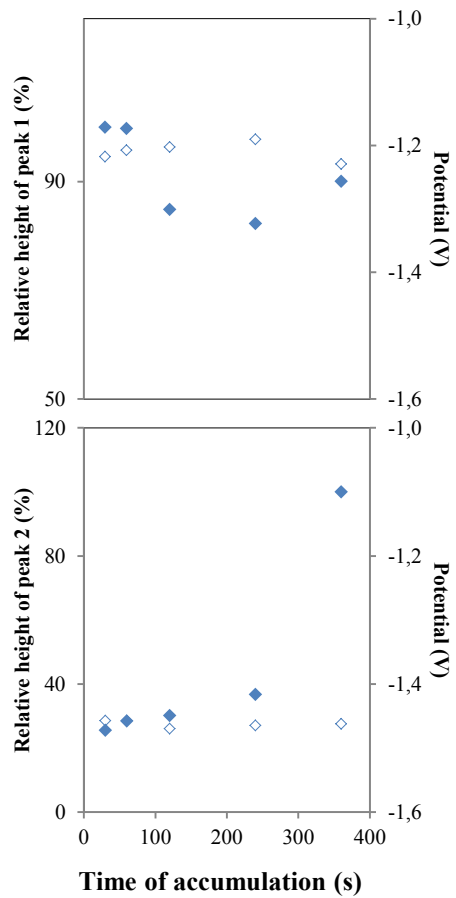
- Measurements were performed with AUTOLAB Analyzer (EcoChemie, Netherlands) connected to VA-Stand 663 (Metrohm, Switzerland), using a standard cell with three electrodes and cool holder sample by Julabo F25 (JULABO, Germany).
- DPV Brdicka reaction and an adsorptive transfer stripping technique (AdTS) coupled with DPV Brdicka reaction were employed for characterization of PNA influenza virus.

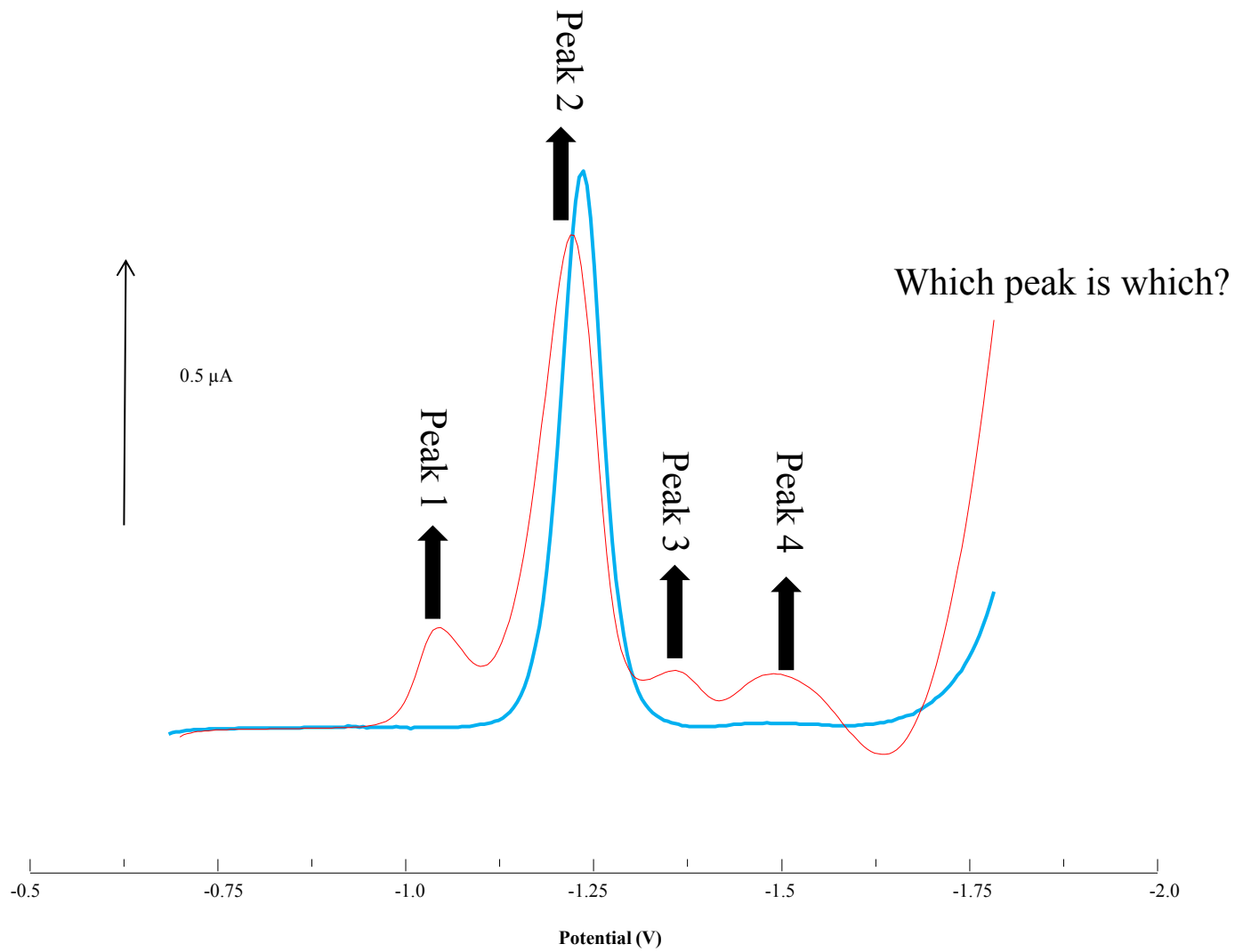


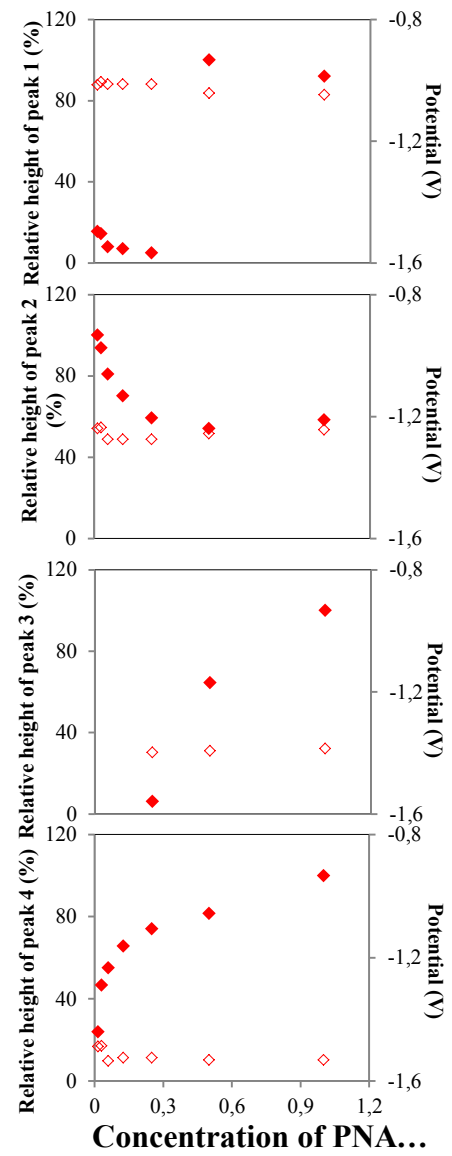
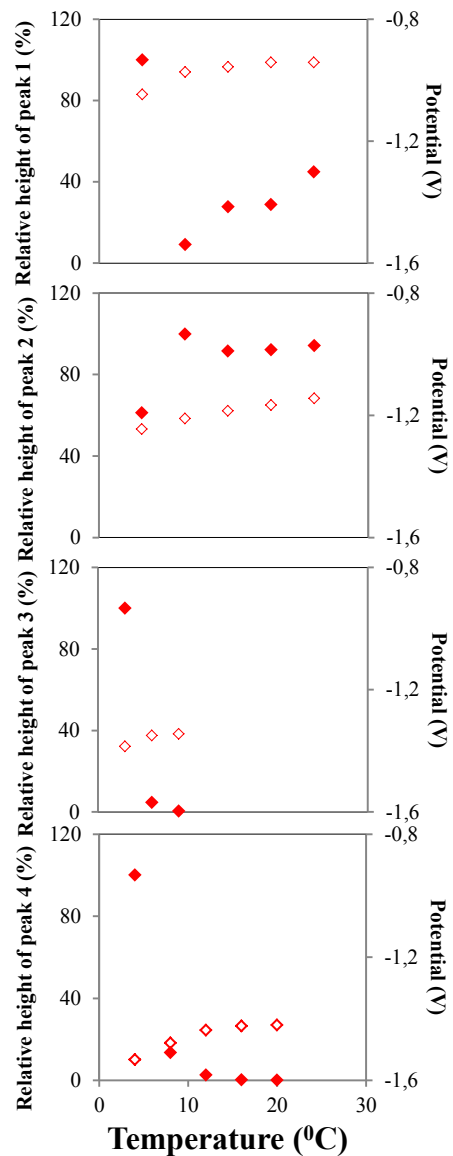
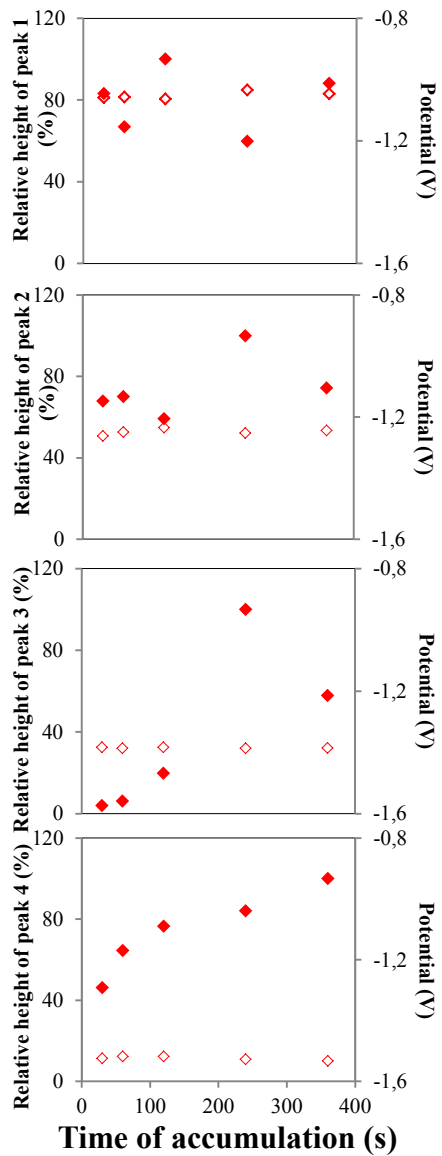
RESULT AND DISCUSSION











Conclusion

- PNA produced signals in DPV Brdicka reaction and AdTS coupled with DPV Brdicka reaction.
- AdTS coupled with DPV is more sensitive than DPV
- Second holder will be designed.

Děkuji Vám za pozornost

Reg.č.projektu: CZ.1.07/2.4.00/31.0023

Název projektu: Partnerská síť centra excelentního bionanotechnologického výzkumu