

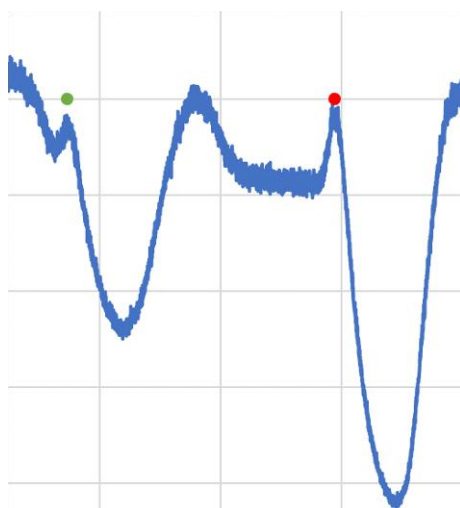
Electronic Supplementary Information

Assessment of collagen content in fish skin – development of a flow analysis method for hydroxyproline determination

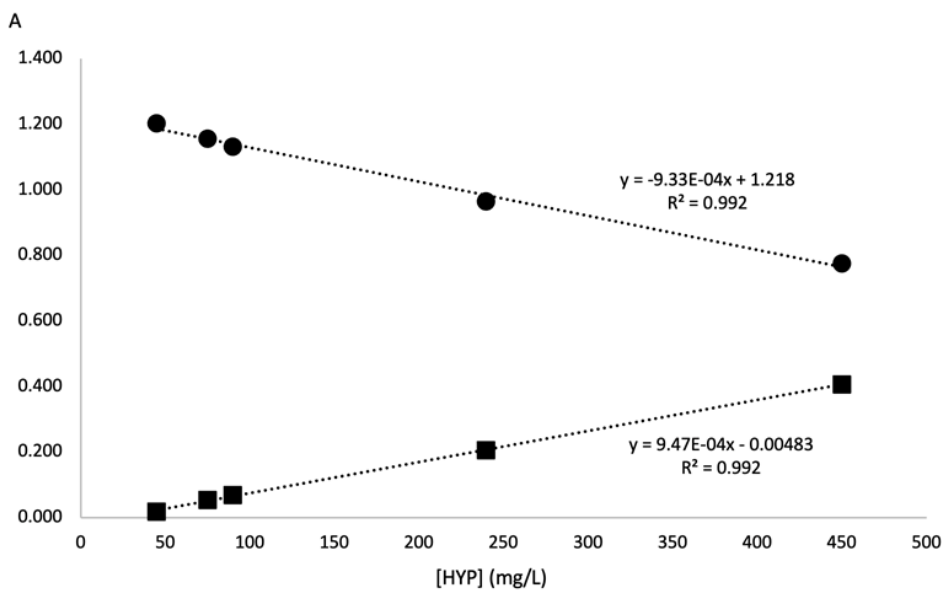
Maria M. P. Melo, Raquel B. R. Mesquita, Ezequiel R. Coscueta, Manuela E. Pintado, António O. S. S. Rangel*

Universidade Católica Portuguesa, CBQF - Centro de Biotecnologia e Química Fina – Laboratório Associado, Porto, Portugal

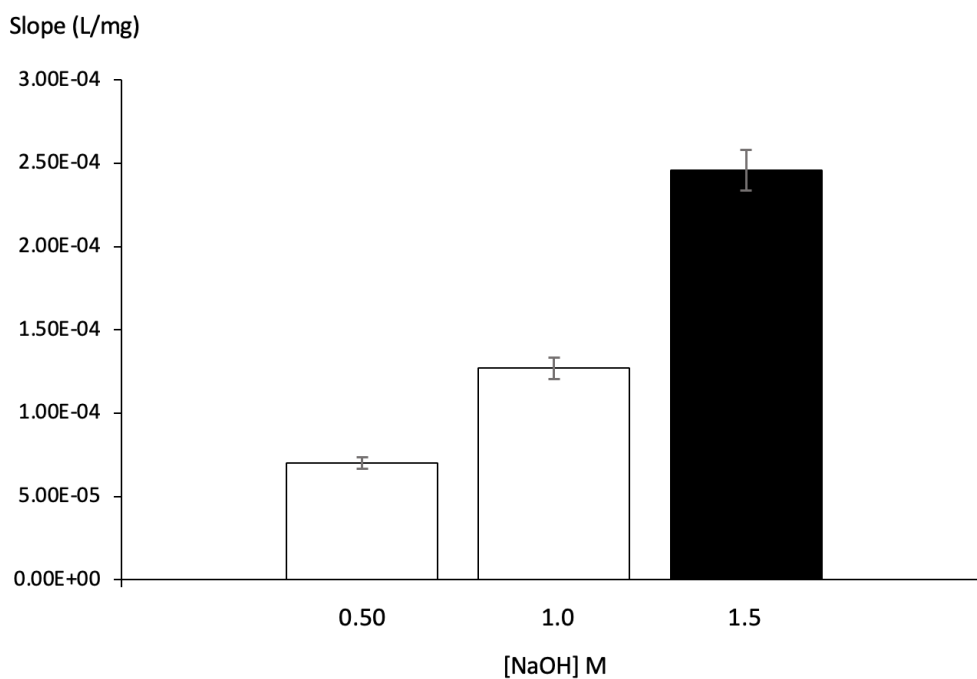
* arang@ucp.pt



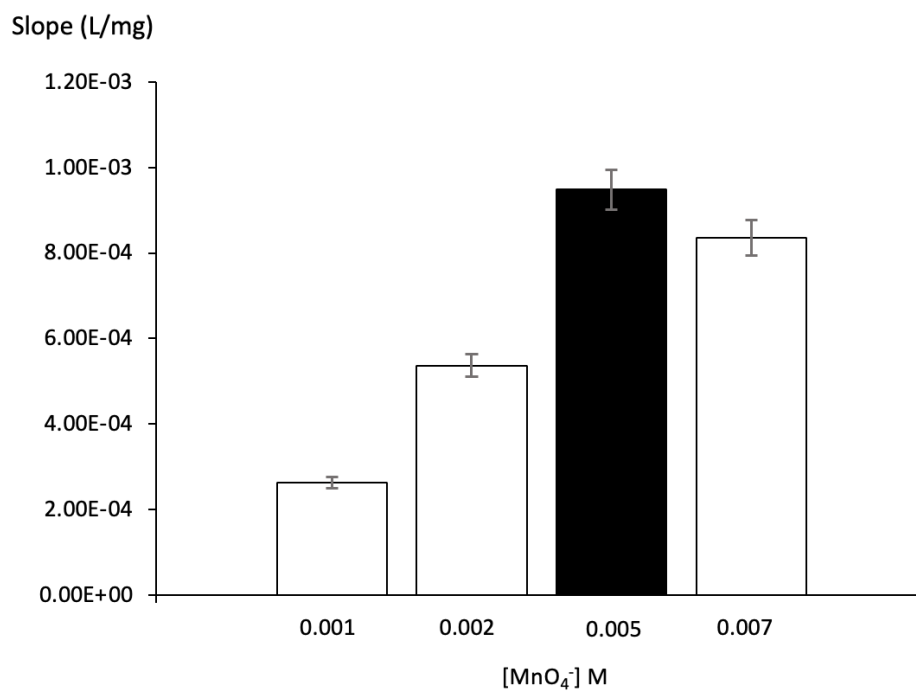
ESI Fig. 1. Register of the absorbance signal corresponding to two standards with different HYP concentration; the circles illustrate the variation in the baseline prior to the decrease in the absorbance signal for each standard, green for the 50 mg/L standard and red for the 100 mg/L standard.



ESI Figure 2. Calibration curves obtained from the registered signal, with (circles) and without (squares) the subtraction of the baseline.



ESI Fig. 3. Study of the influence of the sodium hydroxide concentration in the calibration curve slope (method sensitivity); the bar in black represents the chosen hydroxide concentration; the error bars represent 10 % relative deviation.



ESI Fig. 4. Study of the influence of the permanganate concentration in the calibration curve slope (method sensitivity); the bar in black represents the chosen concentration; the error bars represent 10 % relative deviation.