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**Quartz Crystal Microbalance Measurements of Protein Deposition onto Cross-linked polyHEMA Hydrogel** JONATHAN TEICHROEB, JAMES FORREST, University of Waterloo, LYNDON JONES — The adsorption of various concentrations of several ophthalmologically relevant proteins was measured using Quartz Crystal Microbalance (QCM). Hen egg white lysozyme HEWL, bovine serum albumin BSA, and lactoferrin were measured both individually and in various combinations as they adsorbed onto cross-linked polyHEMA substrate. Results are discussed in terms of the concentration and time dependence of total adhered protein, as well as the amount of desorbable protein. Variations seen during competitive adsorption are also presented.

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