

Supplementary

Poly(Hydroxyethyl Methacrylate) Immunoaffinity Cryogel Column for Purification of Human Immunoglobulin M

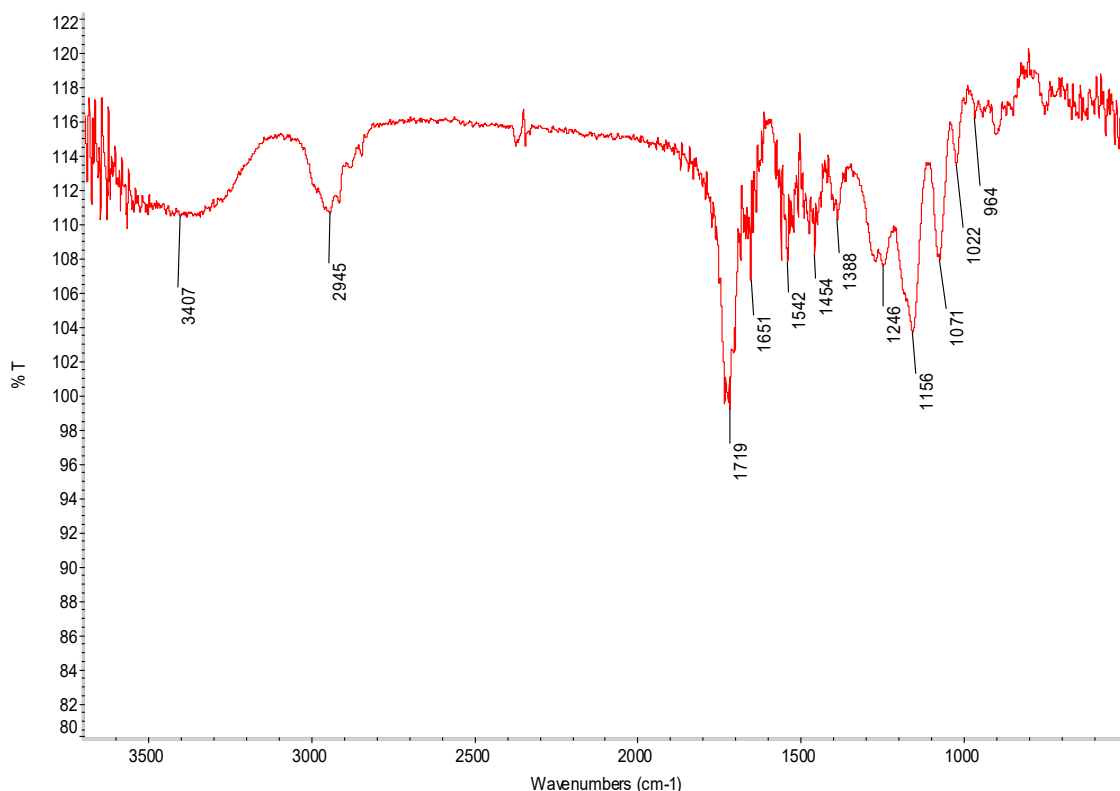
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The FTIR spectrum of the p(HEMA) cryogel column, which have described as -OH stretching around 3407 cm⁻¹, aliphatic -CH stretching around 2945 cm⁻¹, carbonyl C=O stretching around 1719 cm⁻¹, 1156 cm⁻¹ (C-O stretching), the peaks around at 1651 cm⁻¹ and 1542 cm⁻¹ as described amide I (C=O stretching), amide II (C-N stretching), respectively, which were stemmed from cross-linker are the characteristic peaks of p(HEMA). The other peaks, ester bond around 1454 cm⁻¹, C-N bond from cross-linker around 1388 cm⁻¹ and ether bonds around 1246 cm⁻¹, 1071 cm⁻¹, respectively. FTIR results of this work was in accordance with previous studies [42,43].

References

42. Attieh-Daoud, M; Chaib, H; Armutcu, C; Uzun, L; Elkak, A; Denizli, A; Immunoglobulin g purification from bovine serum with pseudo-specific macroporous cryogels. *Sep. Purif. Technol.* 2013, 118, 816-822.
43. Derazshamshir, A; Baydemir, G; Yilmaz, F; Bereli, N; Denizli, A. Preparation of cryogel columns for depletion of hemoglobin from human blood. *Artif. Cell. Nanomed. B.* 2016, 44, 3, 792-799.