

HPLC Analysis of the P-CBLs Encapsulation Efficiency(**EE%**)

In order to determine the EE% of two compositions of P-CBLs, CHR was measured using protamine-based chromatography, whereas Sephadex chromatography was used for BBH. Briefly, P-CBLs (0.5 mL) were mixed with 10 mg/mL protamine, reacted for 3 min at room temperature, diluted with normal saline to 5 mL, and centrifuged at 3,000 rpm for 30 min to obtain the supernatant for analysis. For BBH, P-CBLs (0.5 mL) were applied to the column, and the eluent was collected. All samples were dissolved in methanol and injected at a volume of 20 μ L into a Kromasil 100-5-C18 column (250 mm $\times$ 4.6 mm, 5 μ m), and 0.1% phosphoric acid–methanol served as the mobile phase with a gradient elution. The flow rate was 1 mL/min and the detection was performed constantly at 35 $^{\circ}$ C.