

SUPPLEMENTARY MATERIALS

Biomedical Chemistry: Research and Methods 2021, 4(3), e00152. DOI: 10.18097/bmcrm00152

Table 1. Results of determination of viscumin content in model blood serum samples after albumin removal with 1% TCA/IPA solution (P <0.05, n = 6).

Viscumin concentration, µg/ml		Recovery rate, %
Concentration in sample, µg/ml	Concentration in final aliquote, µg/ml	
100.0	36.88 ± 8.51	9.2 ± 2.5
25.0	8.34 ± 1.82	8.3 ± 2.3
10.0	3.08 ± 0.60	7.5 ± 1.9
5.0	1.38 ± 0.39	6.9 ± 1.6
1.0	-	-
0.5	-	-

Table 2. Results of determination of viscumin content in model blood serum samples after purification on ProteoMiner columns (P <0.05, n = 6).

Viscumin concentration, µg/ml		Recovery rate, %
Concentration in sample, µg/ml	Concentration in final aliquote, µg/ml	
100.0	106.00 ± 6.40	5.3 ± 1.2
25.0	24.00 ± 5.20	4.8 ± 1.1
10.0	8.20 ± 1.96	4.1 ± 0.9
5.0	4.70 ± 1.23	4.7 ± 1.1
1.0	0.76 ± 0.19	3.8 ± 0.8
0.5	0.27 ± 0.06	2.7 ± 0.6

Table 3. Results of determination of viscumin content in model blood serum samples prepared using the Albumin Depletion Kit (P <0.05, n = 6).

Viscumin concentration, µg/ml		Recovery rate, %
Concentration in sample, µg/ml	Concentration in final aliquote, µg/ml	
100.0	4.080 ± 1.126	6.8 ± 1.8
25.0	0.980 ± 0.264	6.5 ± 1.4
10.0	0.354 ± 0.095	5.9 ± 1.0
5.0	0.170 ± 0.031	5.7 ± 0.8
1.0	0.019 ± 0.006	3.2 ± 0.4
0.5	-	-

Table 4. Results of determining the content of viscumin in model blood serum samples prepared using columns "Aurum Affi-Gel Blue" (P <0.05, n = 6).

Viscumin concentration, µg/ml		Recovery rate, %
Concentration in sample, µg/ml	Concentration in final aliquote, µg/ml	
100.0	12.250 ± 3.125	4.9 ± 1.2
25.0	3.188 ± 0.821	5.1 ± 1.3
10.0	1.175 ± 0.296	4.7 ± 1.0
5.0	0.475 ± 0.132	3.8 ± 0.8
1.0	-	-