

Note: This is Supplementary Document S2 of Rossouw S, Bendou H, Bell L, Rigby J, Christoffels A. Effect of polyethylene glycol 20 000 on protein extraction efficiency of formalin-fixed paraffin-embedded tissues in South Africa. Afr J Lab Med. 2021;10(1), a1122. <https://doi.org/10.4102/ajlm.v10i1.1122>

Supporting Information

File S2 – Physicochemical properties of identified peptides for all conditions for each patient

1. Patient 1

Without PEG

Peptide Feature	WCPL (3172)	Pellet (3451)	Shared Peptides (5263)
Hydrophobicity	-0.42	-0.24	-0.29
MW	1423.31	1398.38	1458.93
pI	5.96	6.06	5.95

With PEG

Peptide Feature	WCPL (3265)	Pellet (2704)	Shared Peptides (4066)
Hydrophobicity	-0.49	-0.20	-0.29
MW	1418.23	1376.74	1421.45
pI	5.88	6.09	5.98

WCPL

Peptide Feature	+PEG (2580)	-PEG (3684)	Shared Peptides (4751)
Hydrophobicity	-0.39	-0.30	-0.37
MW	1345.12	1426.01	1460.68
pI	6.04	6.06	5.88

Pellet

Peptide Feature	+PEG (2079)	-PEG (4023)	Shared Peptides (4691)
Hydrophobicity	-0.27	-0.29	-0.25
MW	1326.93	1431.91	1437.57
pI	6.10	6.00	6.00

2. Patient 2

Without PEG

Peptide Feature	WCPL (2532)	Pellet (2280)	Shared Peptides (4507)
Hydrophobicity	-0.40	-0.20	-0.25
MW	1440.36	1435.79	1451.00
pI	5.81	6.08	5.95

With PEG

Peptide Feature	WCPL (6098)	Pellet (1060)	Shared Peptides (2074)
Hydrophobicity	-0.38	-0.21	-0.24
MW	1437.87	1403.03	1470.18
pI	5.97	5.97	5.97

WCPL

Peptide Feature	+PEG (3404)	-PEG (2271)	Shared Peptides (4768)
Hydrophobicity	-0.41	-0.31	-0.30
MW	1421.26	1412.30	1463.79
pI	6.04	5.86	5.92

Pellet

Peptide Feature	+PEG (1018)	-PEG (4671)	Shared Peptides (2116)
Hydrophobicity	-0.27	-0.25	-0.21
MW	1369.88	1428.04	1485.29
pI	6.01	6.02	5.95

3. Patient 3

Without PEG

Peptide Feature	WCPL (4900)	Pellet (1270)	Shared Peptides (2776)
Hydrophobicity	-0.38	-0.14	-0.21
MW	1427.47	1407.65	1457.32
pI	6.02	6.00	5.94

With PEG

Peptide Feature	WCPL (4790)	Pellet (918)	Shared Peptides (2158)
Hydrophobicity	-0.35	-0.10	-0.15
MW	1426.00	1405.48	1480.52
pI	6.02	5.97	6.01

WCPL

Peptide Feature	+PEG (1964)	-PEG (2692)	Shared Peptides (4984)
Hydrophobicity	-0.27	-0.37	-0.29
MW	1417.67	1411.19	1452.89
pI	6.08	5.98	6.00

Pellet

Peptide Feature	+PEG (970)	-PEG (1940)	Shared Peptides (2106)
Hydrophobicity	-0.16	-0.27	-0.12
MW	1422.76	1406.25	1474.41
pI	6.06	5.94	5.97