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Supporting Information

Rapid enrichment of phosphopeptides by SiO₂/TiO₂ composite fibers

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28 **Table S1.** Detailed information of the observed phosphopeptides obtained from
29 tryptic digests of β -casein.

No.	[M+H] ⁺	Phosphorylation site	Sequence
β 1	2061.8	1	FQ <u>S</u> EEQQQTEDELQDK
β 2	2556.7	1	FQ <u>S</u> EEQQQTEDELQDKIHPF
β 3	2966.2	4	ELEELNVPGEIVES <u>L</u> <u>S</u> <u>S</u> SEESITR
β 4	3122.3	4	RELEELNVPGEIVES <u>L</u> <u>S</u> <u>S</u> SEESITR

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47 **Table S2.** Detailed information of the observed phosphopeptides obtained from
48 human serum.

No.	[M+H] ⁺	Phosphorylation site	Sequence
F1	1389.3	1	D <u>S</u> GEGDFLAEGGGV
F2	1460.3	1	AD <u>S</u> GEGDFLAEGGGV
F3	1545.5	1	D <u>S</u> GEGDFLAEGGGVR
F4	1616.5	1	AD <u>S</u> GEGDFLAEGGGVR

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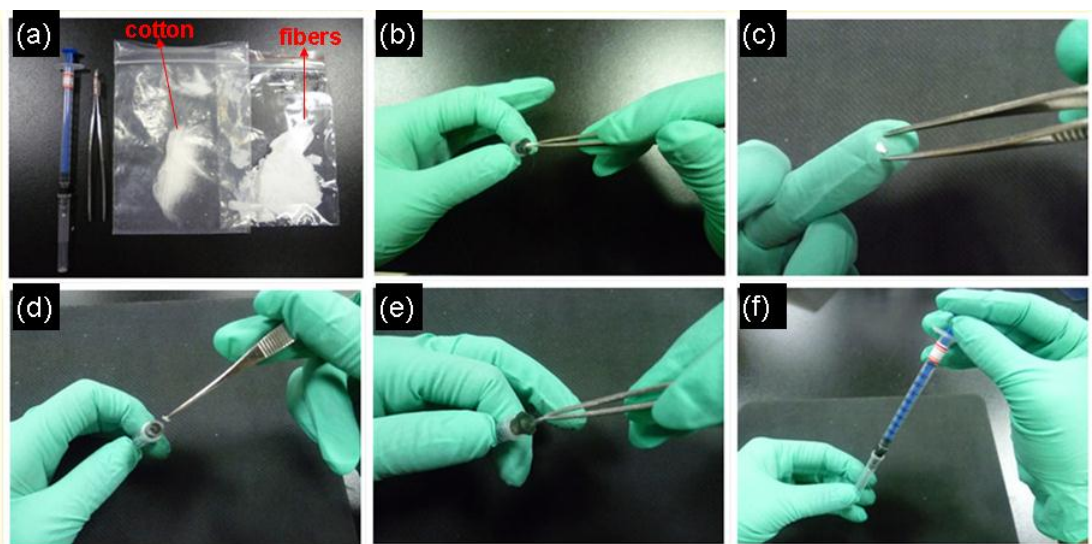
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63 **Table S3.** Detailed information of the observed phosphopeptides obtained from
64 tryptic digests of non-fat milk.

No.	[M+H] ⁺	Phosphorylation site	Sequence
α 1	1466.6	1	TVDMES <u>T</u> EVFTK
α 2	1539.7	2	EQL <u>S</u> T <u>S</u> EENSKK
α 3	1660.8	1	VPQLEIVPNS <u>A</u> EER
α 4	1832.9	1	YLGEYLIVPNS <u>A</u> EER
α 5	1847.7	1	DIGSE <u>S</u> TEDQAMEDIK
α 6	1927.7	2	DIG <u>S</u> E <u>S</u> TEDQAMEDIK
α 7	1952.0	1	YKVPQLEIVPNS <u>A</u> EER
α 8	2619.0	4	NTMEHV <u>S</u> <u>S</u> <u>S</u> EE <u>S</u> IISQETYK
α 9	2703.5	1	LRLKKYKVPQLEIVPNS <u>A</u> EERL
α 10	2720.9	5	QMEAE <u>S</u> IS <u>S</u> SEEIVPNS <u>V</u> EQK
α 11	2747.1	4	NTMEHV <u>S</u> <u>S</u> <u>S</u> EE <u>S</u> IISQETYKQ
α 12	3008.0	4	NANEE <u>E</u> YSIG <u>S</u> <u>S</u> SEE <u>S</u> AEVATEEVK
β 1	2061.8	1	FQ <u>S</u> EEQQQTEDELQDK
β 2	2556.7	1	FQ <u>S</u> EEQQQTEDELQDKIHPF
β 3	2966.2	4	ELEELNVPGEIVES <u>L</u> <u>S</u> <u>S</u> SEESITR
β 4	3122.3	4	RELEELNVPGEIVES <u>L</u> <u>S</u> <u>S</u> SEESITR

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88 **Fig S1.** Preparation of the lab-in-syringe system with SiO₂/TiO₂ composite fibers.