

1 Supplementary information



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3 *Figure S1. Sampling location in Prague and impactors deployed in outdoor (top right) and*
4 *indoor environment (bottom right) (IPR, 2015).*



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6 *Figure S2. Sampling location in Barcelona (BcnMap, 2015).*

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Table S1. Design parameters of the stages from nano-BLPI.

Stage number	Lower cut sizes (μm)	Number of nozzles	Nozzle Diameter (mm)
9	1.95	1	3.60
8	1.00	39	0.70
7	0.49	17	0.60
6	0.24	8	0.54
5	0.095	43	0.27
4	0.062	88	0.25
3	0.039	142	0.25
2	0.024	237	0.25
1	0.011	408	0.25

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Table S2. Approximate lower cut sizes for selected size fractions.

Selected size fractions	BLPI (μm)	nano-BLPI (μm)	nano-Moudi (μm)	PCIS (μm)
PM_{0.25}	0.025-0.25	0.011-0.24	0.01-0.32	0.03-0.25
PM₁	0.025-0.86	0.011-1.0	0.01-1.0	0.03-1.0
PM₂	0.025-1.7	0.011-1.95	0.01-1.8	0.03-2.5
PM₁₀	0.025-14	N/A	0.01-10	0.03-10

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N/A – Not available

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