

FILTRATION EFFICIENCY TEST RESULTS

Pulmonary Function Testing Filters

FILTER name	Bacterial Filtration Efficiency			Viral Filtration Efficiency			CAMR test duration
	(30 L/m) NELSON	(55 L/m) CAMR	(750 L/m) CAMR	(30 L/m) NELSON	(55 L/m) HPA CAMR	(750 L/m) HPA CAMR	
Spirometry Filter MADA	99.99%	99.99%	99.97%	99.99%	99.95%	99.90%	5 minutes (55-750)
Vitalograph	99.99%	99.54%	99.40%	99.99%	99.24%	99.40%	2 min (55) - 10 sec (750)
Pall PF30	61.00%	23.08%	*	60.00%	14.00%	*	2 min (55) - 10 sec (750)
Spirobac Tyco/DAR	93.10%	79.10%	72.95%	89.00%	72.70%	72.60%	2 min (55) - 10 sec (750)
MicroGard II ***	99.99%	*	*	99.99%	*	96.84%	***
Pulmoguard	99.70%	*	94.80%	99.65%	*	*	2 min (55) - 10 sec (750)
Pulmosafe Lemon **	99.99%	*	*	*	*	*	*
KoKo Filter	99.99%	98.98%	99.67%	99.94%	99.86%	*	2 min (55) - 10 sec (750)
Collins DC-1	45.00%	26.22%	*	57.00%	*	*	2 min (55) - 10 sec (750)

* = denotes that no value available ** = no test & refer to test of other companies *** = ref 10/2023: MicroGard specs PMD <http://www.pcmcd.cn/en/col.jsp?id=112>

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