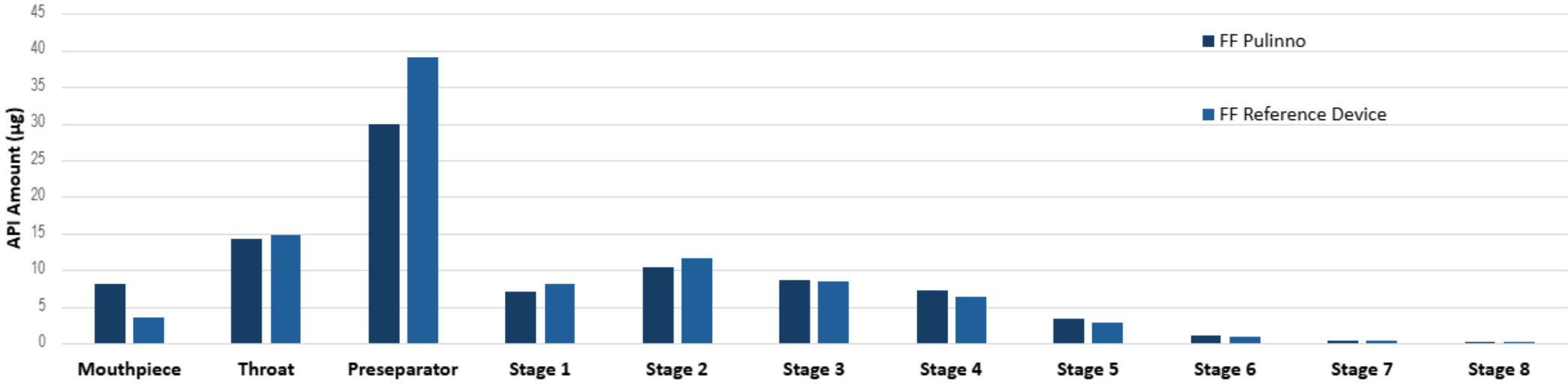


MultiAir Inhaler

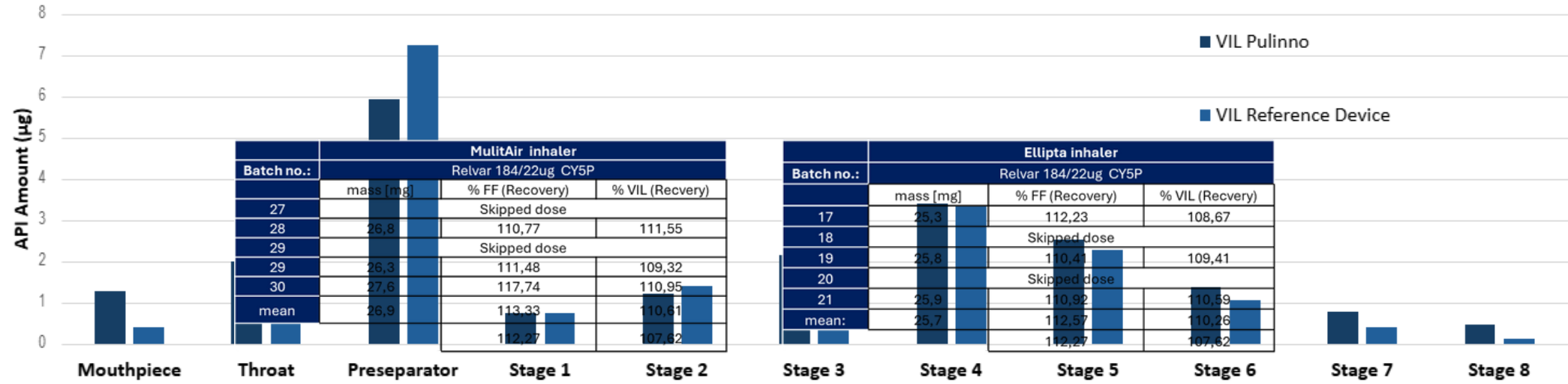
Aerodynamic parameters for Pulinno MultiAir inhaler vs Reference inhaler. Tests were conducted on original blisters. The results are on average of 5 measurements carried out on the Reference and the Pulinno device, made using injection technology.



Fluticasone Furoate



Vilanterol



	Pulinno Device		Reference Device	
	FF	VIL	FF	VIL
Drug Delivered (%)	98,6	99,9	104,9	97,4
Fine Particle Fraction ≤ 5µm (%)	27,55	51,39	26,06	48,68
Fine Particle Fraction ≤ 3µm (%)	16,51	42,77	15,1	39,63
Fine Particle Fraction ≤ 2µm (%)	9,06	31,68	8,27	28,02
Mass Median Aerodynamic Diameter (µg)	3,73	1,83	3,86	1,97
Geometric Standard Deviation	2,2	2,2	2,23	2,13

Omitted dose test:

	MulitAir inhaler		
Batch no.:	Relvar 184/22ug CY5P		
	mass [mg]	% FF (Recovery)	% VIL (Recvery)
27	Skipped dose		
28	26,8	110,77	111,55
29	Skipped dose		
29	26,3	111,48	109,32
30	27,6	117,74	110,95
mean	26,9	113,33	110,61
		112,27	107,62

	Ellipta inhaler		
Batch no.:	Relvar 184/22ug CY5P		
	mass [mg]	% FF (Recovery)	% VIL (Recvery)
17	25,3	112,23	108,67
18	Skipped dose		
19	25,8	110,41	109,41
20	Skipped dose		
21	25,9	110,92	110,59
mean:	25,7	112,57	110,26
		112,27	107,62

Different flow rates test:

