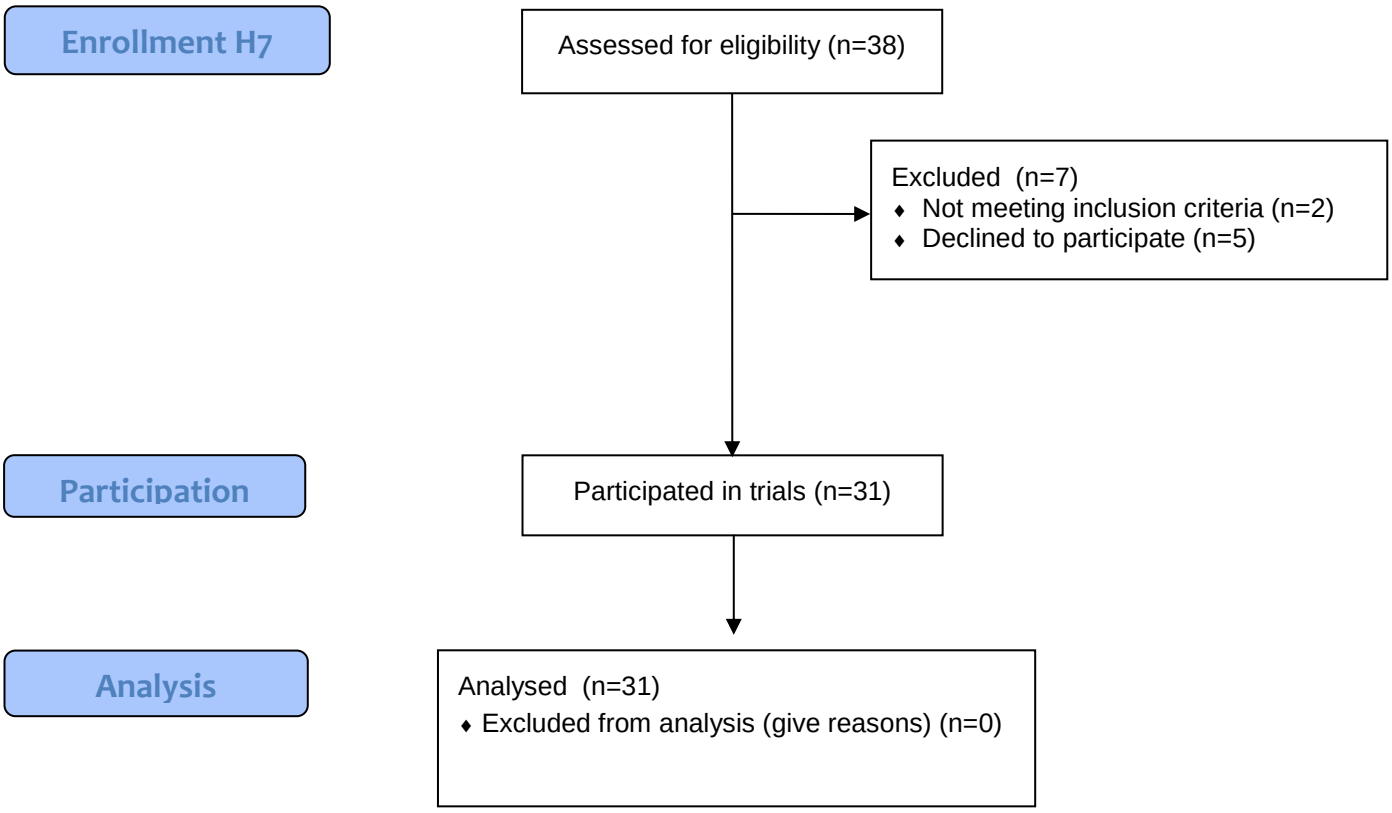
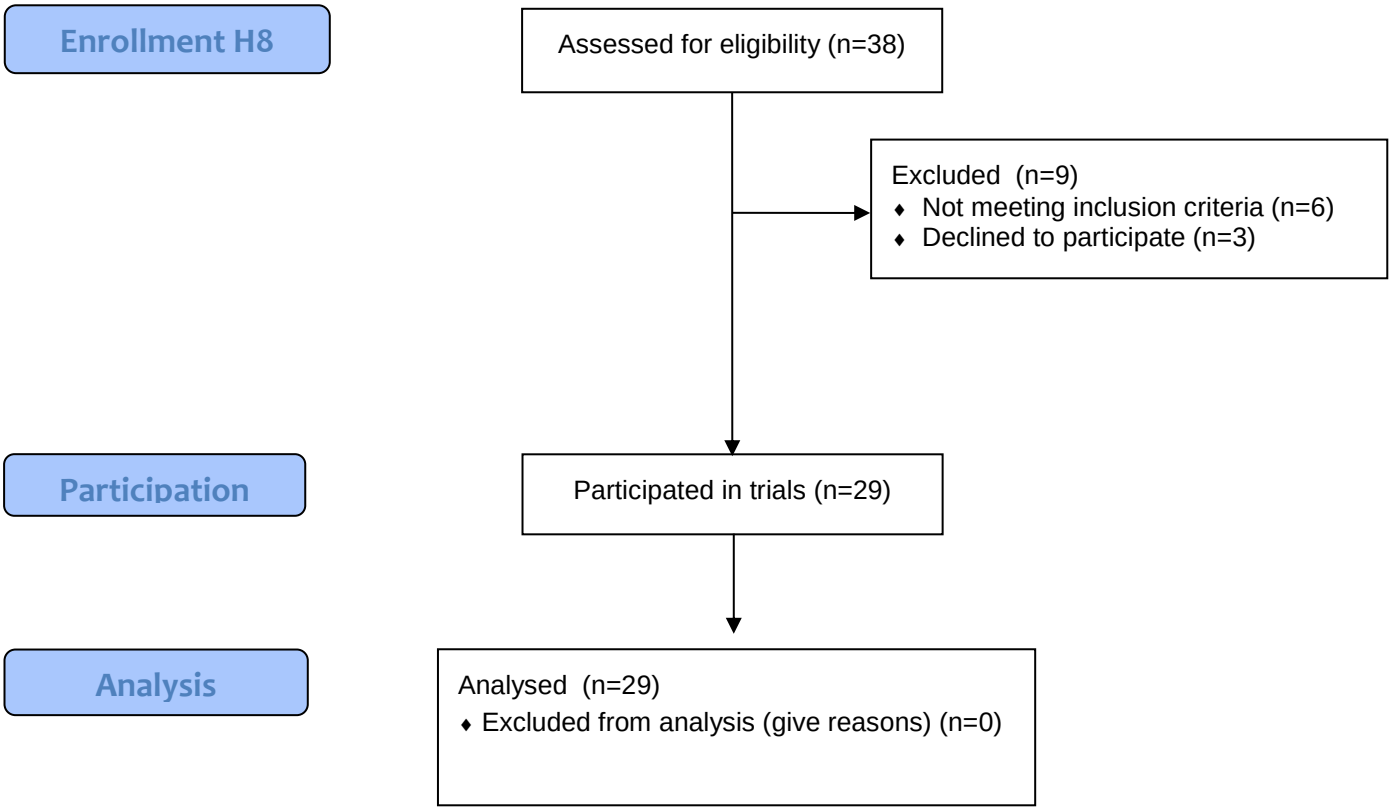
Participant Flow




Enrollment H8
Assessed for eligibility (n=38)
Excluded (n=9)
♦ Not meeting inclusion criteria (n=6)
♦ Declined to participate (n=3)
Participation
Participated in trials (n=29)
Analysis
Analysed (n=29)
♦ Excluded from analysis (give reasons) (n=0)

Baseline characteristics

Table 1: Baseline characteristics for participants in sub study H7. All values are presented in mean (SD), unless otherwise is specified.

	All (n=31)
Female sex, n (%)	16 (52)
Age, years (mean, SD)	18-66 (40.6, 10.4)
Height, cm	175 (11)
Weight, kg	72.2 (12.1)

Table 2: Baseline characteristics for participants in sub study H8. All values are presented in mean (SD), unless otherwise is specified.

	All (n=29)
Female sex, n (%)	11 (38)
Age, median years (range)	41 (19-62)
Body mass index, kg/m^2	23.4 (2.5)
VO2max, L/min	51.3 (8.2)
Measurement, % of predicted	
FEV1[a]	102.9 (11.8)
VCmax[b]	101.4 (11.5)
FEV1/VCmax	79.6 (5.9)
R5Hz[c]	101.6 (29.3)
R20Hz[d]	116.3 (29.9)
X5Hz[e]	198.2 (NA)
Z5Hz[f]	99.79 (26.30)

[a]FEV1: Forced expiratory volume in the first second (L)
[b]VCmax: Vital capacity (L)
[c]R5Hz: Resistance at 5 Hertz (kPa/(L/s))
[d]R20Hz: Resistance at 20 Hertz (kPa/(L/s))
[e]X5Hz: Lung reactance at 5 Hertz (kPa/(L/s))
[f]Z5Hz: Respiratory impedance at 5 Hertz (kPa/(L/s))

Outcome measures

Table 3: Primary outcome measures for participants in sub study H8. Dynamic spirometri and impulse oscillometry performed on 29 healthy subjects exposed to -15°C for 50 minutes at two separate occasions. Data presented as mean (SD).

	Rest			Exercise			
	Pre	Post	P-value*	Pre	Post	P-value*	P-value**
FEV_1[a]	4.29 (0.77)	4.19 (0.74)	**<0.001**	4.30 (0.78)	4.24 (0.76)	**0.012**	0.171
VC_{max}[b]	5.43 (1.10)	5.34 (1.06)	**<0.001**	5.43 (1.11)	5.41 (1.08)	0.469	0.083
FEV_1/VC_{max}	79.6 (5.91)	79.0 (5.61)	0.064	79.6 (5.77)	78.9 (6.19)	0.152	0.829
R5Hz[c]	0.306 (0.089)	0.307 (0.080)	0.883	0.308 (0.075)	0.314 (0.069)	0.508	0.703
R20Hz[d]	0.296 (0.078)	0.298 (0.078)	0.694	0.297 (0.073)	0.305 (0.067)	0.199	0.526
X5Hz[e]	-0.070 (0.024)	-0.072 (0.024)	0.529	-0.073 (0.024)	-0.066 (0.022)	**0.023**	**0.028**
Z5Hz[f]	0.301 (0.082)	0.308 (0.080)	0.310	0.304 (0.073)	0.310 (0.070)	0.436	0.904
F_{res} Hz[g]	10.286 (2.286)	10.578 (2.180)	0.441	10.617 (2.163)	10.668 (2.877)	0.890	0.680

[a]FEV1: Forced expiratory volume in the first second (L)
[b]VC_{max}: Vital capacity (L)
[c]R5Hz: Resistance at 5 Hertz (kPa/(L/s))
[d]R20Hz: Resistance at 20 Hertz (kPa/(L/s))
[e]X5Hz: Lung reactance at 5 Hertz (kPa/(L/s))
[f]Z5Hz: Respiratory impedance at 5 Hertz (kPa/(L/s))
[g]Fres: Resonant frequency
* Changes within exposures
** Change between exposures

Adverse events

There were no adverse events associated with this trial.