Eucapnic voluntary hyperventilation

3x Measurement of FEV1: highest value = baseline value  → Calculation of MVV

Hyperventilation of dry air mixture containing 5% CO₂ for six minutes at ≥ 65% of MVV

Measurement of FEV1 immediately after hyperventilation

Measurement of FEV1: 5 min after hyperventilation

Measurement of FEV1: 10 min after hyperventilation

Measurement of FEV1: 15 min after hyperventilation

Measurement of FEV1: 20 min after hyperventilation

Positive test: Fall in FEV1 ≥ 10% to baseline

Mannitol Challenge Test

Inhalation of dry mannitol powder

Mannitol 0 mg → Measurement of FEV1 = baseline value

Mannitol 5 mg → Measurement of FEV1

Mannitol 10 mg → Measurement of FEV1

Mannitol 15 mg → Measurement of FEV1

Mannitol 20 mg → Measurement of FEV1

Mannitol 40 mg → Measurement of FEV1

Mannitol 80 mg → Measurement of FEV1

Mannitol 160 mg → Measurement of FEV1

Positive test: Fall in FEV1 ≥ 10% to baseline