

Legends to Figures. (O'Callaghan et. al.)

Figure 1.

Figure shows the experimental set-up for the Pari LC Plus jet nebuliser attached via the one-way valve to the 100L gas reservoir bag.

Figure 2.

Figure shows the experimental set-up for the Aeroneb Pro vibrating mesh nebuliser attached via the one-way valve to the 100L gas reservoir bag.

Figure 3.

Combined data showing the effect of driving/entrained gas on the total output ( $\mu\text{g}$ ) of salbutamol (5mg) and the amounts of drug calculated to be in particles  $<5\mu\text{m}$  and  $<3\mu\text{m}$  after 5 min nebulisation from the Pari LC Plus and Aeroneb Pro nebulisers (Mean & 95% C.I.) for the simulated Adult breathing pattern.

Figure 4.

Combined data showing the effect of driving/entrained gas on the total output ( $\mu\text{g}$ ) of salbutamol (5mg) and the amounts of drug calculated to be in particles  $<5\mu\text{m}$  and  $<3\mu\text{m}$  after 5 min nebulisation from the Pari LC Plus and Aeroneb Pro nebulisers (Mean & 95% C.I.) for the simulated Paediatric breathing pattern.