

Importance of Particle Size
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Nebulization is a treatment technique in which tiny spherical droplets of aerosolized drugs are generated and inhaled by the patient. The droplets then shower out at various levels of the respiratory tract, depending on their size, due to changes in direction of air flow, random motion, and gravity.

Particle Size	Deposition Location
>10 μ	1 Upper Airway (naso-pharynx)
10-5 μ	2 Central Airway (trachea)
5-2 μ	3 Lower Airways (lungs)
1 μ	4 Alveoli
<1 μ	Low Deposition (exhaled)

