This was a comparison of the plume characteristics of two inhaled corticosteroid/long-acting β₂-agonist (ICS/LABA) combination therapies, administered via hydrofluoroalkane-propelled pressurized metered-dose inhalers (HFA pMDIs): fluticasone propionate/formoterol (FP/FORM; flutiform®) and fluticasone propionate/salmeterol (FP/SAL; Seretide® Evohaler®).

Inhalers were fired into ambient air and plume duration, velocity, force, and temperature were recorded at various distances from the device.

The FP/FORM plume was warmer, less forceful, had a longer plume duration, and slower maximal velocity than the FP/SAL plume.

Less forceful sprays may decrease the likelihood of impaction of the drug at the back of the throat, allowing more optimal inhalation of medication.