

$$SID_{mammal} = \frac{C_{air} * IR_{avian} * D * F_{inhaled}}{60 * AW_{mammal}}$$

SID_{mammal} = Spray droplet inhalation dose of assessed mammal

C_{air} = Air column concentration after spray

IR_{mammal} = Inhalation rate of assessed mammal

D = Duration of direct spray inhalation

$F_{inhaled}$ = Fraction of spray inhaled

AW_{mammal} = Body weight of assessed mammal

60 = Hours to minutes conversion