

RSV-B genotypic drug resistance interpretation's algorithm

Novembre 2025 - Version n°3

ANRS-MIE - Respiratory viruses group GENOTYPE INTERPRETATION: MONOCLONAL ANTIBODIES TO RSV F PROTEIN

	Mutations associated with resistance (fold change >10)	Mutations associated with "possible resistance" (Fold Change 5-10 or discordant results)	Described polymorphisms in epitope Ø without impact on sensitivity (fold change <5)
Nirsevimab	<ul style="list-style-type: none"> I64T [6] I64T + K68E [2,6] I64M/V+K65E [7,8] K68E/Q/I [1,6, 8] K68N + N201S [4,5] K68N + N208S [4,5] N201S/T [1,4] L204S [8] P205S [8] N208S/D/K/Y/I [2,4-7,8] 	<ul style="list-style-type: none"> K65Q + S211N [3] K68N [1,4,8] K65Q/T [3] K65E [8] 	<ul style="list-style-type: none"> N63S/D [1,7] I64V [7] I64M [8] K65R [1] E66D [1,3,4] T67A/I [1,3] K68R [1] N197D/S [1,3] I206M [1,6,7] Q209R/K/L [1,3,6,7] Q210H/L [4,8] S211N/I [1,6,7]
Palivizumab	<ul style="list-style-type: none"> K272N/Q [1] 	<ul style="list-style-type: none"> N63S [1] K272R [1] 	Not listed
Clesrovimab	<ul style="list-style-type: none"> S443P [9,10] G446E/W/R [9,10] 	Not listed	<ul style="list-style-type: none"> I432V/T [9,10] K445R [9,10]