

## 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**

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	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"> <li>▪ I64T [6]</li> <li>▪ I64T + K68E [2,6]</li> <li>▪ I64M/V+K65E [7,8]</li> <li>▪ K68E/Q/I [1,6, 8]</li> <li>▪ K68N + N201S [4,5]</li> <li>▪ K68N + N208S [4,5]</li> <li>▪ N201S/T [1,4]</li> <li>▪ L204S [8]</li> <li>▪ P205S [8]</li> <li>▪ N208S/D/K/Y/I [2,4-7,8]</li> </ul>	<ul style="list-style-type: none"> <li>▪ K65Q + S211N [3]</li> <li>▪ K68N [1,4,8]</li> <li>▪ K65Q/T [3]</li> <li>▪ K65E [8]</li> </ul>	<ul style="list-style-type: none"> <li>▪ N63S/D [1,7]</li> <li>▪ I64V [7]</li> <li>▪ I64M [8]</li> <li>▪ K65R [1]</li> <li>▪ E66D [1,3,4]</li> <li>▪ T67A/I [1,3]</li> <li>▪ K68R [1]</li> <li>▪ N197D/S [1,3]</li> <li>▪ I206M [1,6,7]</li> <li>▪ Q209R/K/L [1,3,6,7]</li> <li>▪ Q210H/L [4,8]</li> <li>▪ S211N/I [1,6,7]</li> </ul>
Palivizumab	<ul style="list-style-type: none"> <li>▪ K272N/Q [1]</li> </ul>	<ul style="list-style-type: none"> <li>▪ N63S [1]</li> <li>▪ K272R [1]</li> </ul>	Not listed
Clesrovimab	<ul style="list-style-type: none"> <li>▪ S443P [9,10]</li> <li>▪ G446E/W/R [9,10]</li> </ul>	Not listed	<ul style="list-style-type: none"> <li>▪ I432V/T [9,10]</li> <li>▪ K445R [9,10]</li> </ul>