

Disease resistance markers for Tomato and Pepper



Incotec is developing advanced disease resistance markers for tomato and pepper. With these markers you can determine whether a resistance gene is present in your material (leaf or seed). Resistance genes give plants a degree of resistance against diseases.



Available for Tomato

	Resistance against	Gene dominance	Presence determination
Tm-1	Tomato mosaic virus (ToMV)	semi-dominant	homozygous / heterozygous form <i>Literature suggests that the efficacy is improved when the gene is present in homozygous form</i>
Tm-2a	Tomato mosaic virus (ToMV)	dominant	homozygous / heterozygous form
I-2	Fusarium oxysporum f. sp. lycopersici (Fol) race 2	dominant	homozygous / heterozygous form
ToBRFV Chromosome 8	Tomato brown rugose fruit virus	dominant	only presence or absence
ToBRFV Chromosome 11	Tomato brown rugose fruit virus	dominant	homozygous / heterozygous form <i>Literature suggests that the efficacy is improved when combined with presence of the Tm-1 gene in homozygous form</i>

In development for Tomato

	Resistance against	Gene dominance
Ty-1/Ty-3	Tomato yellow leaf curl virus (TYLCV)	dominant
Ty-2	Some TYLCV strains	dominant
SW-5 cluster	Certain plant viruses, primarily the tomato spotted wilt virus (TSWV)	to be determined
Cf-2	Leaf mould fungus <i>Cladosporium fulvum</i> Potato cyst nematode <i>Globodera rostochiensis</i>	to be determined

Available for Pepper

	Resistance against	Gene dominance	Presence determination
L-3	Tobamoviruses like pepper mild mottle virus (PMMoV) More specifically; pathotypes P1 and P1,2	dominant	homozygous / heterozygous form
L-4	Tobamoviruses like pepper mild mottle virus (PMMoV) More specifically; pathotypes P1 and P1,2 and P1,2,3	dominant	homozygous / heterozygous form
Male Sterility MS-1	Male sterility	recessive	homozygous / heterozygous form

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this product?**

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