

# Citrus Genetic Hybrids Detection Kit



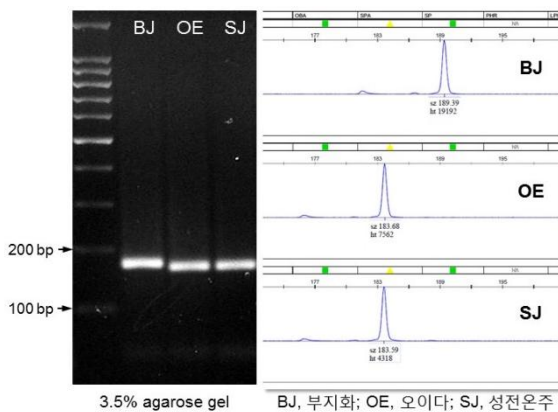
## Product Description

- In most angiosperms, a single embryo usually develops per seed. However, in some cultivars of *Citrus*, many nucellar embryos alongside the zygotic embryo develop in an individual seed by apomictic processes. The nucellar embryos are initiated directly from the maternal, nucellar tissue surrounding the embryo sac containing a developing zygotic embryo, and are known to be genetically identical to the female parent. Therefore, the nucellar embryos greatly decrease breeding efficiency by genetic crosses. *Citrus* breeding program requires DNA molecular markers to easily identify nucellar embryos and zygotic embryo.
- In order for *Citrus* breeders to easily identify zygotic embryo-derived seedlings from the genetic crosses, Life Sciences Research Institute, Biomedic Co., Ltd. developed sets of SSR (Simple Sequence Repeat) marker.

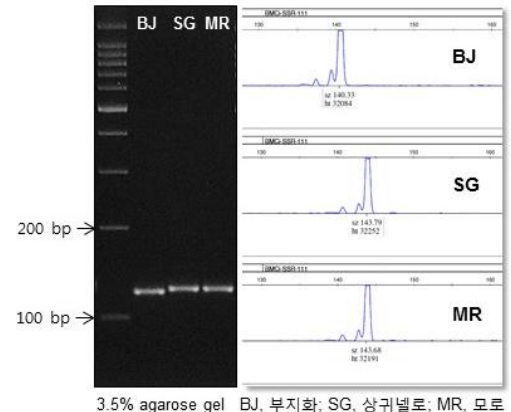
## Product Features

- Designed to maximize researcher's convenience by using Taq polymerase mixture.
- Provide highly specific amplification with clear and clean PCR results by using Hot Start Taq polymerase.
- Guarantee the confident selection of zygotic embryo-derived seedlings by using several selective SSR markers.

### Genotyping using BMCi-SSR-087 marker



### Genotyping using BMCi-SSR-111 marker



Catalog Number	Product Contents	Price
BM-DK-7001	<ul style="list-style-type: none"> <li>• 2x HS Taq polymerase mix</li> <li>• Sets of SSR primers</li> <li>• 100 bp DNA ladder</li> <li>• Nuclease-free water</li> </ul>	Inquiry
BM-DK-7001G	<ul style="list-style-type: none"> <li>• 2x HS Taq polymerase mix</li> <li>• Sets of SSR primers</li> <li>• 100 bp DNA ladder</li> <li>• Nuclease-free water</li> <li>• Plant genomic DNA miniprep kit (125 preps)</li> </ul>	Inquiry

For purchasing and analysis service inquiry, Tel : 032-218-1515; e-mail : info@ibiomedic.co.kr

Biomedic Co., Ltd., Mugwang-Office Building, 276 Gilju-ro, Wonmi-gu, Bucheon-si, Gyeonggi-do, Korea  
420-852 (Main Office #908, Life Sciences Research Institute #904)

www.ibiomedic.co.kr