

生物技术·遗传育种

双链RNA技术与植物病毒研究

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摘要 90%以上的植物病毒基因组是RNA。含RNA基因组的病毒会产生特异的双链RNA(dsRNA)。从受到病毒侵染的植物组织中提取病毒相关的dsRNA,进行病毒的检测和分类,诊断植物病毒病,探索生物防治植物病毒病的新途径,是植物病毒研究的重要内容。本文就双链RNA技术在植物病毒研究中的应用做一综述。

关键词 [双链RNA](#); [植物病毒](#)

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dsRNA Isolation Method and Research of Plant Virology

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Abstract

dsRNA isolation method, widely used in virology, is a basic technique for dsRNA research. In tissues of plants infected by viruses, dsRNA is specific for each of them. So the extraction of dsRNA can be used to detect whether a virus exists. And we can also try to find ways to control the disease. The dsRNA isolation method is very useful in the research of plant virology. Recent years, this technique has developed greatly and its application has expanded a lot. The development has been discussed, and the advantages or disadvantages have been analysed. Also, its aboard usage in diagnosis and taxonomy of viruses, gene engineering and biocontrol has been reviewed here.

Key words [dsRNA](#) [plant virus](#)

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