

研究论文

## 芦荟属14种2变种植物的核型分析

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**摘要** 报道了芦荟属14种2变种植物的核型, 实验结果表  
明所研究种类的体细胞染色体基数均为 $x=7$ , 二倍体, 由4对长  
染色体和3对短染色体组成.根据Stebbins(1971)的核型分类标准  
,Aloe affinis Berger等3种芦荟的核型为"3B"型, Aloe graciliflora  
Groenewald等3种芦荟的核型为"4B"型, A.mitriformis Mill 等3种2  
变种芦荟的核型为"3C"型, A.saponaria (Ait.) Haw 等5种芦荟的  
核型为"4C"型.其中有6种1变种芦荟的核型为首次报道.另外,还  
对芦荟的系统分类进行了讨论.

**关键词** [芦荟](#) [染色体](#) [核型](#) [系统分类](#)

**分类号** [Q949.71+8.23](#) [Q942](#)

## Karyotype Analysis of 14 Species and 2 Varieties in Aloe L.

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**Abstract** The karyotypes of 14 species and 2 varieties of Aloe L.  
were reported.The results of karyotype analysis are as follows: all  
species studied here in the genera have a single basic chromosome  
number( $x=7$ ), diploidy and a large strongly bimodal karyotype always  
comprising three short chromosomes and four much longer ones in the  
haploid set.According to Stebbins' criterion for classification of  
chromosome karyotype, the karyotypes of the species belong to '3B',  
'4B', '3C' or '4C'.Karyotypes of 6 species and 1 variety were firstly  
reported.Otherwise, we had discussed its systematical implication in  
Aloe L.

**Key words** [Aloe L.](#) [Chromosome](#) [Karyotype](#) [Cytotaxonomy](#)

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