

Genus Datasheet

Datasheet No. A-028.024
(Family: Genus)

DBT- Network Programme

1. Genus: *Zantedeschia* Spreng.

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Zantedeschia* Spreng.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Nudiflorae
Ordo: Aroideae Arn.
Genus: *Zantedeschia* Spreng.

3. Species:

Global: South Africa

India: Naturalised in Tamil Nadu.

4. Taxonomic riddles:

5. Distribution:

Global: 9

India: 1

6. Habit and Habitat: Herb, plants of this species grow in marshy depressions.

7. Economic Importance: Use as a ornamental

8. DNA content range:

2C (3.72-4.6pg)^{1,2}

4C (9.2pg)¹

Methodology:

Flow cytometry^{1,2}

9. Basic chromosome number(s): $x=16$ ¹⁴

10. Zygotic chromosome number(s): $2n=16$ ^{3,4}

$2n=24$ ⁶

$2n=26$ ¹⁸

$2n=32$ ^{2,3,7,8,9,10,11,12,17}

11. Gametic chromosome number(s): $n=12$ ⁵

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytenechromosomes/ N chromosomes):

13. Ploidy level:Haploid^{3,4}
Diploid ^{2,3}

14. Nature of polyploidy (auto, segmental, allo, autoallo):

15. Aberrantchromosomenumber(s) (aneuploidy,aneusomaty, polysomaty):

16.Karyograms:^{7,11} **Meiosis:**⁵

17. Banding pattern(s):

18. Physical mapping of chromosomes: **GISH:**

19.Phylogenetic relationship atChromosomal; DNA level:DNA level^{13,15,16}

20. Cytogenetic mechanism(s) underlying evolution

21. Linkage map:

22. Any other information: