Species Datasheet

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Datasheet No. A-377.017.003 **DBT- Network Program**
(family.genus.species)

1.Taxon:

Species: *Ecbolium viride* (Forssk.) Alston
Subspecies
Variety:
Cultivar
Hybrid

Image file

2. Synonmys: *Ecbolium linneanum* var. *rotundifolium* (Nees) C.B.Clarke,*E. viride* var. *chandrasekariana* Remadevi & Binojk., *E. viride* var. *viride*

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Lamiales Bromhead
- Family: Acanthaceae Juss.
- Genus: *Ecbolium*Kurz
- Species: *E.viride* (Forssk.) Alston

Bentham and Hooker(1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo:Acanthaceae Juss.
- Genus: *Ecbolium*Kurz
- Species: *E.viride* (Forssk.) Alston

4.Distribution:

Global: Africa, India, Oman, Saudi Arabia, Yemen

India: Karnataka, Tamil Nadu

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5.Indigenous/Exotic/Endemic;Cultivated/Wild: Wild.

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Shrub

8.Life Form: Chamaephytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNA
C-valueMethodology

12.Basic chromosome number(s): Not found.

13. Zygotic chromosome number(s):2n=36^{6}

14. Gametic chromosome number(s): n= 18^{6}

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/ Neocentric chromosomesetc):

Image file

16.Ploidy level:

Image file

17.Agametoploidy:

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

19.Genomic formula:

20.Aberrant chromosome number(s)(aneuploidy, aneusomaty, polysomaty):

21.Somatic chromosomes:

Karyotype
Chromosome size
NOR chromosome(s)
Degree of asymmetry

Image file

22. Banding pattern(s):

Image file

23.Physical mapping of chromosomes; GISH:

In situ hybridization

Image file

Fluorescent in situ hybridization

Image file

24.Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26.Chromosome associations:

Female meiosis

Male meiosis

27.Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

DNA level

29.Any other information:(Translocations; Inversion; Female meiosis; Male meiosis; Male sterility)