

Datasheet No. A-284.002.003
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species:*Drosera peltata* Thumb.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Drosera peltata* Sm. ex Willd., *Drosera peltata* var. *genuina* Planch., *Sondera peltata* (Thumb.) Chrtek & Slavíková

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Superasterids
- Order: Caryophyllales Juss. ex Bercht. & J. Presl
- Family: Droseraceae Salisb.
- Genus: *Drosera* L.
- Species: *D. peltata* Thumb.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetales
- Series: Calyciflorae
- Cohors: Rosales Bercht. & J. Presl
- Ordo: Droseraceae Salisb.
- Genus: *Drosera* L.
- Species: *D. peltata* Thumb.

4. Distribution:

Global: India, New South Wales, New Zealand North, South Australia, Tasmania, Victoria

India: Throughout India

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

6. Threat Status:

IUCN: Least Concern

BSI

7. **Habit and Habitat:** Herb; wet shallow and poor nutrient soils, overlaying rocks and in wet muds, in swamps, marshes, pools and streams, and in open humid soils

8. **Life Form:** Halophyte

9. **Economic Importance:** The plant is anodyne, blood tonic

10. Probable Progenitor of:

11. DNA

C-value

2C (0.97±0.01pg)¹

2C (0.96pg)⁹

Methodology

Flow cytometry¹

FC:PI⁹

12. Basic chromosome number(s):

13. **Zygotic chromosome number(s):** $2n=32^1$; $2n=40^3$

14. **Gametic chromosome number(s):** $n=16^{10}$; $n=20^{11}$

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

Image file

16. **Ploidy level:** Diploid¹

Image file

17. **Agametoploidy:**

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

19. **Genomic formula:**

20. **Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):**

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:**

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

Image file

27. **Chromosome distribution at anaphase I:**

28. **Genetic diversity:**

Chromosomal level

Image file

DNA level

29. **Any other information (Apoixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocations etc):**