

Datasheet No. A-284.002

(Family.Genus)

DBT- Network Programme

**1. Genus:***Drosera* L.**2. Systematic position:****APG IV (2016)**

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Superasterids
- Order: Caryophyllales Juss. ex Bercht. & J. Presl
- Family: Dorseraceae Salisb.
- Genus: *Drosera* L.

**Bentham and Hooker (1862)**

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetaleae
- Series: Calyciflorae
- Cohors: Rosales Bercht. & J. Presl
- Ordo: Dorseraceae Salisb.
- Genus: *Drosera* L.

**3. Species:****Global:** 247**India:** 3**4. Taxonomic riddles:****5. Distribution:****Global:** Cosmopolitan**India:** Throughout India**6. 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**7. Economic Importance:****8. DNA content range:**2C (0.63±0.02 pg)<sup>1</sup>2C (0.96 pg)<sup>9</sup>**Methodology**Flow cytometry<sup>1</sup>FC:PI<sup>9</sup>**9. Basic chromosome number(s):**x=10<sup>1</sup>; x=16<sup>1</sup>**10. Zygotic chromosome number(s):**2n= 20<sup>1,2,3,4,5</sup>; 2n=28<sup>3,6,7</sup>; 2n=32<sup>1</sup>; 2n=40<sup>3</sup>**11. Gametic chromosome number(s):**n=14<sup>6,8</sup>; n=16<sup>10</sup>; n=20<sup>11</sup>**12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/Neocentric chromosomes):****13. Ploidy level:**Diploid<sup>1</sup>

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

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

**16. Karyograms:**

**Meiosis:**

**17. Banding pattern(s):**

**18. Physical mapping of chromosomes:**

**GISH:**

**19. Phylogenetic relationship at Chromosomal; DNA level: DNA level<sup>12</sup>**

**20. Cytogenetic mechanism (s) underlying evolution:**

**21. Linkage map:**

**22. Any other information:** Total number of species with reports = 3/3