

Genus Datasheet

Datasheet No. P-004.001
(Family.Genus)

DBT- Network Programme

1. Genus: *Equisetum* L.

2. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Equisetidae Warm
- Order: Equisetales DC. Ex Brecht. & J. Presl.
- Family: Equisetaceae Michx. Ex DC.
- Subfamily:
- Genus: *Equisetum* L.

3. Species:

Global: Accepted (16), Unassessed (16)

India:.

4. Taxonomic riddles: ^{7, 8}

5. Distribution:

Global:

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

2C (27.30-56.40pg) ^{1, 3}

2C (25.00-28.40pg) ⁶

Methodology

Flow cytometry ^{1, 3}

Feulgen microdensitometry ⁶

9. Basic chromosome number(s): $x=9$ 4, 5, 9, 10, 11, 12, 13, 14, 15, 17, 19, 20, 21, 22

10. Zygotic chromosome number(s): $2n=c$ 216^{15, 18},

216 4, 10, 11, 12, 13, 19 22

11. Gametic chromosome number(s): $n=108$ 4, 5, 9, 10, 14, 17, 21 ,

c.108^{15, 20}

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

13. Ploidy level: 24-ploid (sexual) 4, 5, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22

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

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

16. Karyograms:

Meiosis: 4, 5, 9, 10, 14, 17, 21

17. Banding pattern(s):

18. Physical mapping of chromosomes:

19. Phylogenetic relationship at Chromosomal; DNA level:^{7, 8}

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: