

Datasheet No. P-030.008
(Family: Genus)

1. Genus: *Cheilosoria* Trevisan

2. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Cheilanthoideae W.C. Shieh
- Genus: *Cheilosoria* Trevisan

3. Species:

Global: Accepted (7), unassessed (2)

India:.

4. Taxonomic riddles:

5. Distribution:

Global:

India:

6. Habit and Habitat:

7. Economic Importance:

8. DNA content range:

Methodology

9. Basic chromosome number(s): $x=28$ ^{2, 5, 6, 10, 11, 15, 16, 17, 18}, 30 ^{1, 7, 8, 12, 13, 14}

10. Zygotic chromosome number(s): $2n=56$ ¹⁸,

60 ^{1, 7, 8},

108 ⁴,

120 ^{13, 14}

11. Gametic chromosome number(s): $n=30$ ^{2, 3, 7, 8},

56 ^{2, 5, 6, 10, 11, 15, 16, 17, 18},

c. 56 ⁸,

c. 58 ⁹,

60 ^{12, 13, 14}

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

13. Ploidy level: Diploid (sexual)^{1, 2, 3, 7, 8},

Diploid (apogamous)¹⁸,

Tetraploid (sexual)^{2, 4, 5, 6, 8, 10, 11, 12, 13, 14, 15, 16, 17}.

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

16. Karyograms:

Meiosis: 2, 3, 5, 7, 8, 10, 11, 12, 13, 14, 15, 16, 17

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information: Apogamous¹⁸