

**Datasheet No. P-051.026**  
(Family.Genus)

**1. Genus:***Microsorum*Link

**2. Systematic Position:**

**Christenhusz 2011**

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl& C. Presl
- Subfamily: Microsoroideae B.K. Nayar
- Genus:*Microsorum* Link

**3. Species:**

**Global:** Accepted (36), unassessed (82)

**India:.**

**4. Taxonomic riddles:**<sup>35</sup>

**5. Distribution:**

**Global:**

**India:**

**6. Habit and Habitat:**

## 7. Economic Importance:

## 8. DNA content range:

## Methodology

**9. Basic chromosome number(s):**  $x=36$ <sup>1,3, 4, 5,7, 9, 10, 11, 12, 15, 16, 17, 20, 21, 22, 23,24, 25, 26, 28, 34</sup>  
<sup>37</sup><sup>18, 27, 31</sup>

**10. Zygotic chromosome number(s):**  $2n=72$ <sup>8, 9, 10, 11, 12, 20, 21,22, 23, 28, 30, 34</sup> ,  
<sup>74</sup><sup>27, 31</sup> ,  
<sup>108</sup><sup>10, 11, 12</sup>

**11. Gametic chromosome number(s):**  $n=36$ <sup>1, 3, 4, 5,7, 9, 10, 11, 12, 15, 16, 17, 20, 21, 22, 23,24, 25, 26, 39</sup> ,  
<sup>37</sup><sup>18, 27</sup> ,  
<sup>72</sup><sup>1, 2, 6, 13, 14, 16 32, 33</sup>

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

**13. Ploidy level:** Diploid (sexual) <sup>1, 3, 4,5, 7, 8, 9, 10, 11, 12, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 2</sup>  
<sup>37, 38, 39</sup> ,  
Triploid (sterile hybrid) <sup>10, 11, 12</sup> ,

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

**16. Karyograms:** 21, 23

**Meiosis:** 1, 2, 3, 5, 6, 7, 9, 10, 11, 12, 14, 15, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 27, 28, 30, 31  
37, 38, 39

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

**18. Physical mapping of chromosomes:**

**GISH:**

**19. Phylogenetic relationship at Chromosomal; DNA level:** 35

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

**21. Linkage map:**

**22. Any other information:**