

Species Datasheet

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Datasheet No. P-004.001.007
- **(family.genus.species)**

DBT- Network Programme

1.Taxon:

Species: *Equisetum ramosissimum* Desf.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Equisetum ramosissimum subsp. *ramosissimum*

Equisetum ramosissimum var. *ramosissimum*

Equisetum ramosissimum var. *taikankoense* Yamam.

Hippochaeteramosissima (Desf.) Börner

3.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.
- Species: *Equisetum ramosissimum* Desf.
- Subspecies:
- Variety:

4.Distribution:

Global: native through much of Asia, Europe, and Africa

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:

8.LifeForm:Herbaceous perennial

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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2C (56.40 pg) ³	Flow cytometry ³
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12.Basic chromosome number(s): $x=9^{5, 13, 15, 17, 21}$

13. Zygotic chromosome number(s): $2n=216^{13}, c.216^{15}$

14. Gametic chromosome number(s): $n=108^{5, 17, 21}, c.108^{15}$

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

Image file

16.Ploidy level: 24-ploid (sexual)^{5, 13, 15, 17, 21}

Image file

17.Agametoploidy:

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

19.Genomic formula:

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

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 108 II^{5, 17, 21}

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.):