

# Species Datasheet

Datasheet No. A-061.035.008  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

**Species:** *Coelogyneflaccida* Lindl.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

*Coelogyneesquirolia* Schltr.

*Coelogyneflaccida* var. *longiracemosa* Roeth

*Pleioneflaccida* (Lindl.) Kuntze

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales
- Family: Orchidaceae Juss.
- Subfamily: Epidendroideae
- Tribus: Arethuseae
- Subtribus: Coelogyneae
- Genus: *Coelogyne* Lindl.
- Species: *Coelogyne flaccida* Lindl.

### Bentham and Hooker(1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledonae  
Series: Microspermae  
Ordo: Orchideae  
Tribus: Epidendreae  
Subtribus: Coelogyneae  
Genus: *Coelogyne* Lindl.  
Species: *Coelogyne flaccida* Lindl.

## 4. Distribution:

**Global:** Bangladesh, China South-Central, China Southeast, East Himalaya, Laos, Myanmar, Nepal, Thailand, Vietnam

**India:** Sikkim, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Arunachal Pradesh, West Bengal

**5. Indigenous/Exotic/Endemic; Cultivated/Wild:** Indigenous, wild and cultivated too

## 6. Threat Status:

IUCN:

BSI:

**7. Habit and Habitat:** Grows as a lithophyte in exposed conditions, epiphyte, 1500-1800m

**8.Life Form:**Phanerophyte

**9.Economic Importance:**Cultivated ornamental, pseudobulb juice taken in indigestion

**10. Probable Progenitor of:**

**11.DNA**

**C-value            Methodology**

2C (8.92 pg)<sup>23</sup>                      Feulgen Microdensitometry <sup>23</sup>

**12.Basic chromosome number(s):** $x=20$ <sup>6, 20, 21, 22, 23, 25, 31</sup>

**13. Zygotic chromosome number(s):** $2n=40$ <sup>6, 20, 22, 23, 25, 31</sup>

**14. Gametic chromosome number(s):** $n=20$ <sup>20, 21, 22</sup>

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

Image file

**16.Ploidy level:**Diploid<sup>6, 20, 21, 22, 23, 25, 31</sup>

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** 20<sup>20, 21, 22</sup>

Image file

**27. Chromosome distribution at anaphase I:** Laggards at A-I and A-II observed in tetrads and dyads <sup>21, 26</sup>

**28. Genetic diversity:**

**Chromosomal level**

Image file

**DNA level**

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