

MICROPROPAGATION OF BCH 12-15-15 SUPERLATIVE DENDROBIUM PLANT FROM SLEEPING BUD'S MERISTEM

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Summary

BCH 12-15-15 is crossed from two parents *Dendrobium* Burana White and *Dendrobium* Burana Charming that was collected from Thailand. BCH12-15-15 has exceptional expression on the ability of flowering, spike length, number of florets per spike, longevity of flower, suitable for consumer market. Inspection of propagational conditions on solid and liquid medium influenced the ability to fast multiply of BCH 12-15-15. The results show that: the medium suitable for regenerating the highest PLBs was MS solid medium +2 mg BA+ 0.5 mg NAA per liter was; the medium for the highest multiplier coefficient was MS +10% coconut water per liter in liquid shaking conditions; the optimal medium for PLBs to recover shoots was MS +2 mg BA per liter. The best medium for the complete tree stage was MS +0.3 mg per liter.

Keywords: *Micropropagation, meristem, liquid shaking, agar, PLB, sleeping bud, dendrobium, hybrid.*