

# IN VITRO MICROPROPAGATION OF BRASSOLAELIOCATTLEYA PAMELA HETHERINGTON “CORONATION”

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## Summary

Studies of micropropagation of *Blc. Pamela Hetherington* “Coronation”) were conducted in order to conserve and develop this precious orchid species. The results showed that protocorms were formed from seeds culture on the  $\frac{3}{4}$  MS medium supplemented with 10% coconut water (v/v) within 8 weeks. Protocorms of *Blc. Pamela Hetherington* “Coronation” cuturing on the  $\frac{3}{4}$  MS medium containing 10% potato extract, 10% coconut water, 30 g/l sucrose, 0.5 mg/l NAA, 2 mg/l BA, 0.5 g/l AC and 7 g/l agar were optimal for PLB formation (9.88 PLBs/sample) after 8 weeks culture. Protocorms converted into normal plants with well-developed shoots and roots on the  $\frac{3}{4}$  MS medium supplemented with 20 g/l sucrose, 10% potato extract, 0.5 g/l AC, and 7 g/l agar after about 90 days. PLBs converted into normal plants on the same medium supplemented with 0.25 mg/l NAA and 0.25 mg/l BA, too. No abnormal morphological changes were found in these seedlings in *in vitro* micropropagation.

**Keywords:** BA, *Brassolaeliocattleya Pamela Hetherington* “Coronation”, NAA, PLB, protocorm, orchid seed.