

3. Growth of corn endosperm tissue in vitro.

Corn endosperm tissue excised from fresh corn grains has been grown as a tissue culture of unlimited growth on an artificial medium by LaRue since 1948. New stock cultures of corn endosperm tissue have been obtained at this laboratory during the summer of 1951 from a number of Dr. Singleton's corn varieties. The endosperm tissue of var. Black Mexican, excised ten days after pollination, has shown the best growth. The friable, undifferentiated tissue masses have undergone several sub-cultures, and continue to produce the anthocyanin pigmentation which is found in the aleurone layer of the endosperm of this strain of corn.

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