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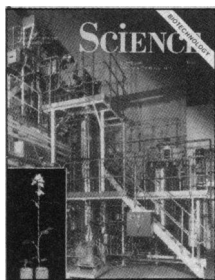
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COVER Two sides of biotechnology. (Background) Large-scale cell culture has become a multimillion dollar industry, vital to the manufacture of vaccines, monoclonal antibodies, and other pharmaceutical products [1000-liter fermenter, courtesy of Celltech Ltd., Slough SL1 4DX, United Kingdom]. (Foreground) By selective breeding in the laboratory, rapid-cycling *Brassica campestris* plants have been developed that will be useful in basic research, in improving crop production, and as educational tools. See page 1385. [Paul H. Williams, University of Wisconsin, Madison, WI 53706]

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