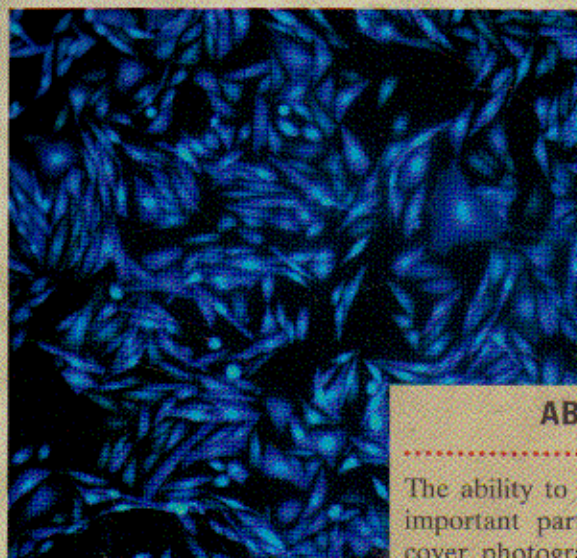




ABOUT THE COVER

The ability to examine gene expression is an important part of molecular genetics. The cover photograph shows a newly-developed, sensitive method for detecting gene expression in single, living, Chinese hamster ovary cells. Cells expressing a β -lactamase gene fluoresce blue, while non-expressing cells are green. The method is sensitive enough to detect less than 100 molecules of β -lactamase in a cell. This method can be used to study gene regulation, the kinetics and cell-to-cell variability of gene expression, and to identify genes whose expression is modulated in the presence of pharmaceutical drugs.

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ISBN 0-13-080017-1



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