
Description: Cellulase refers to a class of enzymes produced chiefly by fungi, bacteria, and protozoans that catalyze cellulolysis. This volume of Methods in Enzymology comprehensively covers this topic. With an international board of authors, this volume covers subjects such as "The DNSA reducing assay for measuring cellulases," "Measuring processivity" and "In situ cellulose detection with carbohydrate-binding modules."

- Comprehensively covers the topic of cellulases- International board of authors

Contents:
- Measurement of endo-1,4-b-glucanase
- Biomass Conversion determined via Fluorescent Cellulose Decay assay - The analysis of saccharification in biomass using an automated high-throughput method - Studies of enzymatic cleavage of cellulose using Polysaccharide Analysis by Carbohydrate gel Electrophoresis (PACE) - Measuring processivity - Distinguishing xylolucanase activity in endo-b (1® 4) glucanases - Methods for structural characterization of the products of cellulose- and xylolucan-hydrolyzing enzymes - The crystallization and structural analysis of cellulases (and other glycoside hydrolases): strategies and tactics - Visualization of Cottonbiohydrolase I from Trichoderma reesei Moving on Crystalline Cellulose Using High-Speed Atomic Force Microscopy - Small angle X-ray scattering and crystallography; a winning combination for exploring the multi-modular organisation of cellulytic macromolecular complexes - Quantitative approaches to the analysis of carbohydrate-binding module function - In Situ Detection Of Cellulose With Carbohydrate-Binding Modules - Interactions between family 3 carbohydrate binding modules (CBMs) and cellulosomal linker peptides - Approaches for improving thermostability characteristics in cellulosomes - Thermophilic glycosynthases for oligosaccharides synthesis - Engineering cellulase activity into Clostridium acetobutylicum - Transformation of Clostridium thermocellum by electroporation - Genetic and Functional Genomic Approaches for the Study of Plant Cell Wall Degradation in Cellvibrio japonicus - Methods for the isolation of cellulose-degrading microorganisms - Metagenomic approaches to the discovery of cellulases - Escherichia coli expression, purification, crystallization and structure determination of bacterial cohesin-dockerin complexes - Measurements of relative binding of cohesin and dockerin mutants using an advanced ELISA technique for high-affinity interactions - Designer cellulosomes for enhanced hydrolysis of cellulosic substrates - High-throughput screening of cohesin mutant libraries on cellulose microarrays

Ordering:
Order Online - http://www.researchandmarkets.com/reports/2229742/
Order by Fax - using the form below
Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct.

Web Address: http://www.researchandmarkets.com/reports/2229742/
Office Code: SC

Product Format
Please select the product format and quantity you require:

Quantity
Hard Copy (Hard Back): USD 190 + USD 31 Shipping/Handling

* Shipping/Handling is only charged once per order.
* The price quoted above is only valid for 30 days. Please submit your order within that time frame to avail of this price as all prices are subject to change.

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr [ ] Mrs [ ] Dr [ ] Miss [ ] Ms [ ] Prof [ ]
First Name: __________________________________________ Last Name: __________________________________________
Email Address: * __________________________________________
Job Title: __________________________________________
Organisation: __________________________________________
Address: __________________________________________
City: __________________________________________
Postal / Zip Code: __________________________________________
Country: __________________________________________
Phone Number: __________________________________________
Fax Number: __________________________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by Wire Transfer: Bank details will be provided on the invoice which you will receive after you place your order with us.

If you have a Marketing Code please enter it below:

Marketing Code: ______________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World