Genotoxicity of fluoride: Modulation of endogenous glutathione level. Edition No. 1

Description: Fluoride (F) toxicity has become a global problem today and needs great concern. F contaminated drinking water could be injurious to bone marrow cells (BMCs) evidenced by chromosomal aberrations (CAs), reduced rate of cell division and induction of apoptosis. As little as 3.4 mg F ion/L in the drinking water F found to be genotoxic, whereas higher concentrations seemed to be less toxic. It results depletion of GSH level and increase in GST activity, MDA production as well as expression of Hsp 70. The tissue-specific pattern of Hsp synthesis may provide a useful toxicological signature to characterize F toxicity. Depletion of endogenous GSH by BSO significantly enhanced the frequency of aberrations. NAC pre-treatment not only led to significant increase in GSH level but also significantly decreased the NaF induced CAs. These indicate the involvement of endogenous GSH in determining F-induced genotoxicity in mouse BMCs. Supply of safe water may be a simpler way to tackle the F-toxicity in large F-endemic population. This book may draw a general concern on the safety level of F contamination and help to better understand the mechanism of action of its genotoxicity and concomitant GSH metabolism.

Ordering:

Order Online - http://www.researchandmarkets.com/reports/1920568/

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.

Product Name: Genotoxicity of fluoride: Modulation of endogenous glutathione level. Edition No. 1
Web Address: http://www.researchandmarkets.com/reports/1920568/
Office Code: SCD23DF1

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

| Quantity | Hard Copy (Paper back): | USD 56 + USD 29 Shipping/Handling |

* Shipping/Handling is only charged once per order.

Contact Information
Please enter all the information below in BLOCK CAPITALS

<table>
<thead>
<tr>
<th>Title:</th>
<th>Mr ☐ Mrs ☐ Dr ☐ Miss ☐ Ms ☐ Prof ☐</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Name:</td>
<td>Last Name:</td>
</tr>
<tr>
<td>Email Address: *</td>
<td></td>
</tr>
<tr>
<td>Job Title:</td>
<td></td>
</tr>
<tr>
<td>Organisation:</td>
<td></td>
</tr>
<tr>
<td>Address:</td>
<td></td>
</tr>
<tr>
<td>City:</td>
<td></td>
</tr>
<tr>
<td>Postal / Zip Code:</td>
<td></td>
</tr>
<tr>
<td>Country:</td>
<td></td>
</tr>
<tr>
<td>Phone Number:</td>
<td></td>
</tr>
<tr>
<td>Fax Number:</td>
<td></td>
</tr>
</tbody>
</table>

* 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: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

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