



Dear Eian,

Further to our telephone conversation concerning chromosome aberration tests of smoke condensates in CHO cells, I have costed the studies you described on the basis of the following work to be carried out on each condensate:

1) A small pilot study to confirm that the doses and treatment conditions you suggest are appropriate in our laboratory and using our CHO cells. A series of cultures will be treated (1 per condensate concentration) and examined visually for signs of toxicity or growth inhibition.

2) A main study of chromosome aberration. 16 cultures will be established and treated as follows:

- Condensate conc. 1 x 3
- Condensate conc. 2 x 3
- Condensate conc. 3 x 3
- Solvent controls x 5
- EMS (+ve control) x 2

After metaphase arrest, slides will be prepared from each culture and scored for a) chromosome aberrations in a total of 100 cells per culture, and b) mitotic index in 500 cells per culture.

3) The data derived will be analysed by standard statistical methods and a report of the findings prepared.

Please let me know if you would like to modify this protocol in any way but as it stands, the cost would be £1,550 per condensate. The total cost of testing 3 condensates would therefore be £4,650 exclusive of VAT.

I hope that this quotation is acceptable to you and look forward to doing the work for you.

Yours Sincerely

B.J. Phillips

**BIBRA Toxicology International**  
Woodmansterne Road, Carshalton, Surrey SM5 4DS, Great Britain  
Telephone 081-643 4411 Fax 081-661 7029

President Professor Lord Zuckerman OM KCB MD FRS, Chairman of Council P.A. Fairweather OHP MB BS FRCPath FRCR  
Director: Dr S.E. Jagers DSc PhD MEdiol, Secretary M.D. Clarke FCS ACIARh.

000-200

A company limited by guarantee. Registered in England No. 070223. Registered address phone: 081 661 7029  
BIBRA 081 661 7029

400460414