

mrc/snbts blood components assay group

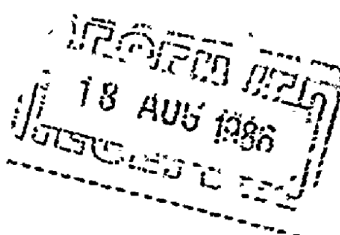
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Director:
DR. J. DAWES

L322JD/SY

14th August 1986

Dr P. Foster
P.F.C.
Ellen's Glen Road
Edinburgh



Dear Peter

I enclose the results of our FPLC analysis on your Phase 3 factor VIII concentrate. They differ from the standard concentrate in two particular aspects.

(1) At the low molecular weight end there are two separate peaks rather than a single peak with a shoulder as seen before; it seems probable that this is simply increased resolution due to the higher purity of your product.

(2) At the high molecular weight end the aggregate content of the unheated material is extremely low, but unfortunately heating induces much more aggregation than we have found previously. This is confirmed by the problems which Lesley had in running it on the column. Even after centrifugation the heated product was extremely difficult to filter and the filtered material still blocked the column. We suspect that the column is removing the highest aggregates so that we don't see them on the profile, and the results we have may therefore represent a somewhat rosy view of reality. Whether all this is physiologically significant we don't of course know but it is something of a worry. We are trying to get some idea of the composition of the aggregates but have very little material due to the difficulty of running the undiluted sample. However, we will do what we can and I'll let you know what the results are.

I have written to Jim Smith and asked him if he will let us run some of his 8Y. It will be very interesting to compare it with these results. Let me know what you think about them, and whether you have any ideas for reducing the amount of aggregate formed.

All the best.

GRO-C

(Joan Dawes)

Enc.

cc. Dr J.D. Cash

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Received:	27 SEP '86
File No:	2-46 - H VIII
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DR P. J. PERRY	