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	APPLICATION FOR A PRODUCT AUTHORISATION FOR F A C T O R A T E (DOUBLE FILL PRESENTATION) PART I - SUMMARY	
Arm	our Pharmaceutical Company Limited, Eastbourne, Sussex	

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	APPLICATION FOR A PRODUCT AUTHORISATION	
	FOR	
	FACTORATE	
	(DOUBLE FILL PRESENTATION)	
	PART I SUMMARY	
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	Eastbourne, East Sussex.	
	September 1981	
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APPLICATION FOR A PRODUCT AUTHORISATION FOR

FACTORATE

(DOUBLE FILL PRESENTATION)

PART I SUMMARY

1. NAME AND ADDRESS OF APPLICANT

Armour Pharmaceutical Company, Hampden Park, Eastbourne, U.K.

2. NAME AND ADDRESS OF PROPOSED HOLDER OF AUTHORISATION

As in 1. above.

3. NAME AND ADDRESS OF PERSON RESIDENT IN IRELAND

Berk Pharmaceuticals Limited, Dublin Industrial Estate, Glasnevin, Dublin 2.

- 4. ROLE OF PROPOSED HOLDER OF AUTHORISATION
 - (a) As person responsible for composition of the product in Ireland.
 - (b) As person who imports or procures its importation.
- 5. NAME AND ADDRESS OF ACTUAL IMPORTER

Berk Pharmaceuticals Limited, Dublin Industrial Estate, Glasnevin, Dublin 2.

- 6. ACTIVITIES FOR WHICH THE AUTHORISATION IS REQUIRED
 - (a) Selling or supplying the product in Ireland.
 - (b) Importing or procuring the importation of the product.
- 7. PROPRIETARY NAME OF THE PRODUCT

FACTORATE (Double Fill)

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8. PRODUCT FORM

9. ACTIVE CONSTITUENT

Antihaemophilic Factor (Human).

10. CLINICAL USE

Treatment of Haemophilia A resulting from deficiency of Antihaemophilic Factor (Factor VIII).

11. RECOMMENDED DOSAGE

Dosage should be adjusted according to the patient's individual needs. Generally one unit of Factor VIII activity per kg will increase circulating Factor VIII level by 2%.

The following general doses are suggested:

- Overt_bleeding Initially 20 units per kg of bodyweight followed by 10 units per kg every eight hours for the first 24 hours and the same dose every 12 hours for the next 3 or 4 days. For massive wounds give until bleeding stops and maintain with 20 units per kg 8-hourly to achieve a minimum Factor VIII level of 40%.
- (2) Muscle Haemorrhages
 - (a) Minor haemorrhages in extremities or non-vital areas:10 units per kg one a day for 2 3 days.
 - (b) Massive haemorrhage in non-vital areas:10 units per kg by infusion at 12 hour intervals for2 days and then once daily for a further 2 days.
 - (c) Haemorrhage near vital organs (Neck, throat, subperitoneal:
 20 units per kg initially; then 10 units per kg every 8 hours. After 2 days the dose may be reduced by one half.
- (3) Joint Haemorrhages

10 units per kg every 8 hours for a day; then twice daily for 1 or 2 days. If aspiration is carried out, 10 units per kg just prior to aspiration with additional infusions of 10 units per kg 8 hours later and again on the following day.

(4) Surgery

Dosages of 30 - 40 units per kg bodyweight prior to surgery are recommended. After surgery 20 units per kg every 8 hours should be administered. Close laboratory control to maintain the blood level of Factor VIII above 40% of normal for at least 10 days post operatively is suggested.

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(5) Dental Extractions

For simple extractions a pre-operative dose of 20 - 25 units per kg, sufficient to raise the Factor VIII level to 50% should be given, followed by intravenous administration of tranexamic acid. For multiple extractions further doses of Factor VIII may be advisable 24 or 36 hours after the operation.

12. SIDE EFFECTS, CONTRA-INDICATIONS, PRECAUTIONS AND WARNINGS

Warnings

Factor VIII is prepared from human plasma, each donation of which has been found negative for hepatitis B surface antigen (HBsAg) by the radioimmunoassay (RIA) method. In addition each batch, after reconstitution as recommended in this leaflet, has been tested and found negative by the RIA method. However since no completely reliable laboratory test is yet available to detect all potentially infectious plasma donations, the risk of transmitting viral hepatitis is still present.

Side-Effects

Products of this type are known to cause mild chills, nausea or stinging at the infusion point.

Precautions

Factor VIII contains low levels of group A and B isohaemagglutinins. When large volumes are given to patients of blood groups A, B or AB, the possibility of intravascular haemolysis should be considered. Such patients should be monitored by means of haematocrit and direct Coombs test for signs of progressive ~ anaemia.

Contra-Indications

There are no known contra-indications to antihaemophilic fraction.

13. METHOD OF RETAIL SALE OR SUPPLY

To hospitals only.

14. METHOD OF SALES PROMOTION

Via the professions as a prescription item.

15. MANUFACTURE OF DOSAGE FORM

Manufacture of the dosage form will be carried out by Armour Pharmaceutical Company, P.O. Box 511, Kankakee, Illinois 60901, U.S.A. Assembly of the product into final containers will be carried out at Armour Pharmaceutical Company Limited, Hampden Park, Eastbourne. Vials of Water for Injections BP supplied in Home Treatment Packs for reconstitution of the product will be supplied by Phoenix Pharmaceuticals, Phoenix Estate, Caerphilly Road, Cardiff, Wales, CF4 4XG.

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16. QUALITY CONTROL

Quality control in-process and on the finished product will be exercised by Armour Pharmaceutical Company, Kankakee, USA.

The responsibility for release of the product, based on batch analysis data supplied with each batch, will rest on the Quality Control Manager at Armour Pharmaceutical Company Limited, Eastbourne.

17. CONTAINERS

Factorate (Double Fill) is supplied in 100 ml Type I glass vials with 20 mm neck finish. The closure is a grey butyl rubber stopper with an aluminium seal and blue non-traumatic flip-top cap. Home treatment packs are made available in certain instances and these contain vials of Water for Injections BP for reconstitution of the product.

18. LABELLING

Texts for product label and package insert are attached.

19. SAMPLE OF PACKAGED PRODUCT

Factorate is supplied in packs of ten vials. A sample vial is provided with this documentation.

20. MANUFACTURING AUTHORISATION

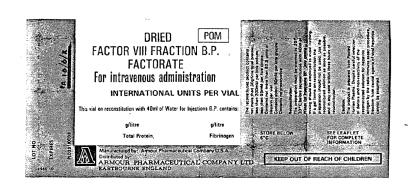
Factorate is manufactured by Armour Pharmaceutical Company Kankakee, in accordance with Establishment Licence 149, issued by the United States Department of Health, Education and Welfare. A copy of this document is attached.

21. OTHER MARKETING AUTHORISATIONS

Factorate, single and double fill, are licensed for sale in the United Kingdom under Product Licence No. 0231/0038 granted in March 1976. The single-fill presentation of Factorate is registered in Eire under Product Authorisation No. 10/6/1, granted in May 1977.

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DRIED HUMAN ANTIHAEMOPHILIC FIACTION STERILE PACTORATE FOR INTRAVENOUS USE DOINT AVENUE THE ANTIHATION OF THE ANTIHATION

Distributed by

Revised July 1980

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RECOMMENDED RECONSTITUTION Reconstitute FACTORATE using 40 ml Sterile Water for injections B.P. using standard appropriate processions. Worm both sillumit and FACTORATE to however, 2012 and 25°C. Unit contents are discorded. DO NOT SHAKE WALE. Vigorous shaking will cause forthing and prolong the reconstitution times, complete solution usually takes less than 6 minutes. The solution B now reedy for administration. It a get forms on reconstitution time proparation action to be used.

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REFERENCES 1. Abildgmed. "Current Consents in the Managamant of Hemophila". From "Current Problems in Pediatric Hemo-1075." 2. Abildgared. et al. "Treatment of Hemophila with Glycin-precipitated Factor. Will *R. Buschell*, Stumm and Stattan, 1978. "Abildgared et al. "Treatment of Hemophila with Glycin-precipitated Factor. Will *R. Buschell*, 2019. "Abuschell *Hemophila*, 1971, 45, 337. 4. Bildgared et al. "Treatment of Hemophila with Buschell *Http*, 2019. "Abildgared, "Buschell, Hemophila, Hemophila Buschell, Theory, 45, 337. 5. Bildgared et al. "Treatment of Hemophila". "Abild Buschell, Theory, 45, 337. 4. Bildgared, "Factor Will Concentrators Medicing Hemophila Buschell, Theorem and Abildgared, "Early Treatment of Astra, 1905, 226, 513. 5. Dornandy, 1973. 5. Dornandy, 1973. 6. Borgung and Einestendiga. "The Use of Factor VIII and VIII Concentrator". *J. Pedical.*, 1974, 1972, 197, 17, 17, 1. Dornandy, 1973. 7. Dornandy, 1973. 8. Araza et al. "AntiBenephila Factor VIII in Hemophila: Lue Address et al. "AntiBenephila Factor VIII in Hemophila: Lue Abild, 1983. 1970. 214, 1973. 8. Matza et al. "AntiBenephila Factor VIII in Hemophila: Lue Abild, 1983. 1970. 214, 1983. 1970. 214, 1983. 1970. 214, 1983. 1970. 214, 1983. 1970. 214, 3, 2225, 326. 3. Araza et al. "AntiBenephila Factor VIII in Hemophila: Lue Abild, 1973. 1970. 214, 1973. 1970. 214, 1973. 1970. 214, 1973. 1970. 214, 1973. 1970. 214, 1973. 1970. 214, 1973. 1970. 214, 1973. 1970. 214, 1973. 1970. 214, 1973. 1970. 214, 1973. 1970. 214, 1973. 1970. 214, 1973. 1970. 214, 1973. 2071 Rizza. "Clinical Management of Haemophilis". Br. Med. Bull. 1977, 3, 225-230. Armour: Pharmaceutical Company, Limited Company, Limited Cestbolme Engine Manufactured by Armour Pharmacoutical Company, USA Armour Pharmacoutical Company Limited, Eastbourne, England. PL 0231/0038

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To the Medical and Pharmaceutical Professions only.

Dried Human Antihaemophilic

B.P.

Fraction Sterile

FACTORATE (Double Fill)

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aemia, overloading the circulatory system and dysfunction resulting from large volume trans-i difformat concentrations of Factor VIII lave to gully. These range from Fraction I of Cohn t 4, potent preparations. Dried Human Antibae n-FACTORATE is in an intermediate sedgory, a cryoglobulic complying with the standards of

putilite cryciplobilin complying with the stendards of the 8.P. COMPOSITION AND STANDARDISATION Each vide constraints the bioleted amount of antikesmophile activity in instramonal Units (the international Unit is the activity oppikalent to the average Factor Will content of 1 mil alignots of 152 scapels of feets hornal plasma, as determined in an international collaborative study. Each vide align contines autificially and down of the the reconstituted collaborative study.

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edministration of transxamic acid. For multiple extrac-tions further doses of Factor VIII may be edvisable 24 or 36 hours efter the operation (Dormandy 1977).

SIDE EFFECTS Products of this type are known to cause mild chills, nauses or stinging at the infusion site. strange at the investments of the second sec CONTRAINDICATIONS There are no known contraindications to antihaemophilic fraction. fraction. STORAGE STORAGE FACTORATE is to be stored bolow 6°C. When stored as directed, it will maintain its babilid potency for the period indicated on the labol. FACTORATE is supplied in single does vials (potency is stated on each vial label). NS.

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	DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE WASHINGTON, D.C.
	ESTABLISHMENTELICENSE
	FOR THE MANUFACTURE OF BIOLOGICAL PRODUCTS
	This is to certify that Establishment License No. 149 is hereby issued
	toArmour Pharmaceutical Company, the manufacturer, located atKankakee, Illinois, through the establishment
	identified as Armour Pharmaceutical-Company, located at Kankakee, @Minois
	pursuant to Section 351 of the Public Health Service Act, approved July 1, 1944 (58 Stat. 702, 42 U.S.C. 262), as amended, and the regulations thereunder. The license authorizes the manufacturer to maintain an establishment for the propagation or manufacture and preparation for sale, barter, or exchange in the District of Columbia, or for sending, carrying, or bringing for sale, barter, or exchange from any State or possession into any other State or possession or into any foreign country, or from any foreign country into any State or possession, any virus, thera- peutic scrum, toxin, antitoxin, vaccine, blood, blood component or derivative, allergenic product, or analogous product, or arsphenamine or its derivatives, for which the manufacturer holds an unsuspended and unrevoked product license issued by the Secretary of Health, Education, and Welfare pursuant to said Act and regulations.
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