	1	Name of Product: KONYNE®,	Factor IX Complex (Human)
	2	proposed linence holder:	Jutter Laboratories Ltd.
i,			Guildford, Surrey, GUI 3UZ, U.K.
	3	Trading style to be shown on licence if different from abov	e: Not applicable
	4	Role of proposed licence holde	r:
			(i) as person responsible for composition of product manufactured in
			(ii) as person who imports or procures its importation.
$\dot{\frown}$.	•		(111) as person who first sells or supplies it as a medicinal product.
· · · · · · · · · · · · · · · · · · ·			
	2	licence is required:	(i) selling or supplying product in the UK.
		-	or supply in the UK.
			(111) importing or procuring the importation of the product. (iv)
į	6	Applicants own reference no:	None
	7	Details of earlier applications	. I. Koate PL 1605/0004 . 2. CPD Anticoagulant in plactic base 1605/0002
			3. Plasbumin-5 and Plasbumin-25 submitted 6/16/80
	8.	To cover sale and supply of the	product manufactured before the grant of the licence: YES/NO
	9	Scientific Evidence: (i) (ii)	Chemistry and Pharmacy Pages Experimental and Biological Studies Pages
		(iii)	Clinical Trials Pages Abridged Submission
_ _			
	10	Number of pages of supplementar	y information:
	11	I/We apply for the grant of a p to which the Product Particular said licence to be for a period	roduct licence to the proposed holder named above in respect of the proc s on Page 2 refer and in accordance with the other particulars annexed; of five years and subject to the following provisions -
	1	1.1. All the Standard Provision force under Section 47 of	ns applicable to product licences under regulations for the time being i The Medicines Act 1968.
	1	12. The product shall not be a Product Particulars as Us Particulars except in so	recommended to be used for any purpose other than those specified in the es, and shall be sold or supplied in accordance with the said Product far as may from time to time be approved by the licensing authority
	1	1.3. The specification of the (information contained in (constituents and of the finished product shall be in accordance with the
	1	4. The product is to be manufurnished in connection w	factured only in accordance with the methods set out in this application it is in this application.
	1.	1.5. No material information h	as been omitted (within the knowledge of the signatory).
			•
			GRO-C
			A

BAYP0000004_285_0001

MLA 201 Page 1 - Addendum

ł

2

1

ł

Do you give your consent to the disclosure to the British Pharmacopoeia Commission of information given in or in connection with this application or to the pharmaceutical standards applicable to the product or its active ingredient on the understanding that such information will not be used in the compilation of a pharmacopoeia monograph without prior reference to you?

YES/NO	•	
	Signature // GRO-C	July 3, 1980

<u>.</u>		
	HLA 201 page 2	
	PRODUCT PARTICULARS	
1	Name of Product: Konyne® Factor IX Complex (Human)	
2	Pharmaceutical form: Sterile lyophilized powder for reconstitution with sterile water for administration. Intravenous injectable.	:
.3	Active constituents Partially purified factor IX fraction as well as concentrated . factors II, VII and X.	
t C	Uses: Konyne is indicated whenever one or more of the specific coagulation factor must be elevated in order to correct or prevent a dangerous bleeding episod See product direction insert for details.	is le.
•		
5	Recommended dose See product direction insert.	
	and dosage schedule:	
1		
6	Contra-indications, See product direction insert.	
7	Sethod of retail sale By direct government contract and private sale.	
U		
8	anufacturer of Cutter Laboratories, Inc. osage form: Berkeley, California 94710 U.S.A.	
	A. Konyne manufacturing locations: B. Sterile Water for Injectio	n:
	Berkeley, California 94710 Clayton, North Carolina 27520	06
(Ann) -		
whht	nts reference number (as on page 1) none	· ·
AL	GRO-C GRO-C	
	V	
•		
		· · //

. •

PART 1B - Supplementary Details

 $\left(\begin{array}{c} \\ \end{array} \right)$

(

í

- 1. Product Literature
- 2. Background
- Persons involved in the Manufacture of the Finished Product and their distribution in the U.K.

- PART 1B Supplementary Details
- 1. Product Literature

Package insert, carton and container label attached.

2. Background

ł

ĺ

2.1 Applications in other countries

- a. U.S.A. licensed product, December 31, 1968 (copy attached)
- b. Canadian licensed product, June 26, 1969
- c. Internationally registered in Germany, Israel, Indonesia, Pakistan, Chile, Colombia, Dominican Republic, Ecuador, Guatemala, Norway, Taiwan.
- 2.2 a. Product monograph appears in U.S.P. XX
 - b. A generic review of the product by David L. Aronson M.D. appeared in Seminars in Thrombosis and Hemostasis, Vol. VI, No. 1, 1979.
- 3. Persons Involved in the Manufacture of the Finished Product and their Distribution in the U.K.
 - 3.1 Manufacturer and Assembler

Cutter Laboratories, Inc.

Konyne Production Location:

- Berkeley, California, 94710
 Clayton, North Carolina 27520

Sterile Water for Injection Production Location:

Chattanooga, Tennessee 37406

3.2 Arrangements for Storage

3.3 Importer

Cutter Laboratories Ltd, the license holder.

- 3.4 Responsibility for Quality Control
 - a. Cutter Laboratories, Inc. U.S.A.
 - b. Cutter Laboratories, Inc. U.S.A.

CUTTER LABORATORIES, INC.

ł

Ĉ

0

ĺ

Product License

FACTOR IX COMPLEX (HUMAN)

÷

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE Washington

Product License

This is to certify that _____ Cutter Laboratories, Inc.

Berkeley, California through the establishment identified

as _____ Cutter Laboratories, Inc.

located at _____Berkeley, California

is hereby authorized to propagate or manufacture and prepare for sale the following:

Factor IX Complex (Human)

this Department having been satisfied that the requirements of the Public Health Service Act, approved July 1, 1944 [58 Stat. 682], for the regulation of biological products and of the regulations thereunder have been met with respect to the product[s] specified above. Establishment License No.___8

GRO-C 31-68 Date: Assistant Secretary for Health and Scientific Affairs

SRat

1. Product Literature

ż

• .1

.

C

i

ł

CUTTER LABORATORIES, INC.

ţ

ł

ĺ

KONYNE®

Pharmaceutical Data on Dosage Form

. ب

-

Ę

1. Finished Product

1.1 Description

> Konyne, Factor IX Complex is a sterile, dried powder consisting of a purified plasma fraction containing Factor IX as well as concentrated Factors II, VII and X.

> The concentrate is packaged with a vial of sterile water for reconstitution and a sterile filter needle.

1.2 Complete Formula:

1.2.1. Ac	tive	Constituents		Purified	protein	fraction
-----------	------	--------------	--	----------	---------	----------

0.05M Sodium Citrate

1.2.2. Other Constituents 0.09M Sodium Chloride

Content of 500 unit package:

Lyophilized powder Protein content approx. Sodium Chloride Sodium citrate as dihydrate	920 500 108 309	mg mg mg
Sterile Water for Reconstitution	20	ml

20 ml

1.2.3. Overage

Not applicable. Each container is filled to a specified volume and potency evaluation is made on the finished product.

1.3 Containers

> Konyne Bottle: Type I or Type II clear glass Stopper: Gray natural rubber Seal: Plastic flip-off

> Sterile Water for Injection, U.S.P. Vial: Type I or Type II clear glass Stopper: Dark gray natural rubber Seal: Plastic flip-off

ł

2. Manufacture of Dosage Form

2.1 Manufacturing Formula

Plasma is obtained from human donors, collected according to procedures that conform to the requirements of the Food and Drug Administration. Pooled human plasma is fractionated by the Cohn cold alcohol process to a protein fraction.

2.2. Manufacturing Process

The protein fraction is further purified by adsorption and elution techniques. The preparation is dissolved in a non-pyrogenic diluent of 0.9M sodium chloride and 0.05M sodium citrate. The bulk solution is clarified and sterile filtered through a 0.2 micron non-asbestos filter into a sterile vessel.

2.3 Assembling Process

The sterile solution is aseptically filled into sterile non-pyrogenic containers, freeze-dried, sealed and stored at 2-8°C.

1

3. Quality Control

3.1 Specifications of Constituents

All reagents and raw materials used in the preparation of Konyne are tested and meet requirements of the U.S.P. or NF standards. Reagent specifications are maintained by the Quality Assurance Department.

Human plasma is obtained from blood and plasma collection centers that are registered with the U.S. Food and Drug Administration. Collection procedures conform to the standards described in the U.S. Code of Federal Regulations Title 21, Part 640.

Each unit of plasma used for production is tested by an FDA approved procedure and found nonreactive for hepatitis B surface antigen using a test of at least third generation sensitivity.

3.2 In-Process Control

Cutter Laboratories maintains written Standard Operating Procedures for the production process and complies with good manufacturing practices.

Sterilizers, autoclaves and dryers go through special qualification and validation procedures before being used for production. In addition, dispensing equipment, such as filling machines, must go through a calibration run to be qualified. Regular calibration and certification of the equipment are maintained.

Each batch production record is a detailed account of raw materials and product components comprising the batch and all significant processing details relating to the batch. All weighings, countings and other significant measurements are checked by two competent individuals. The weight or volume of the final batch is recorded to serve as a quantitative base for material balance and calculation. The filling, drying and finishing records complete the documentation for the final container production.

All label copy is maintained under controlled procedures and is issued to the finishing department by a documented process. Label accountability is maintained.

The tally of final containers must equal the theoretical yield calculated from the known volume of the bulk prior to filling minus the test samples, discards, breakage or normal finishing line losses. Any unexplained discrepancy between theoretical and actual yield is investigated and explained.

page 8

page

PART II

ĩ

- 3.2.2. Sampling for Quality Control
 - 1. Samples of finished bulk are taken for sterility testing.
 - 2. Samples for evaluation are taken by Quality Assurance Inspectors during the filling and finishing of the production lot.
 - 3. Final container samples are given to the Quality Assurance Department for chemical and biological testing.
 - 4. Finished final containers and test protocol for each lot are sent to the Bureau of Biologics, FDA for evaluation and release action.
 - 5. Retention samples of the finished product are kept in storage at least 6 months after the product's expiration date.

l

Ę

 \bigcirc

ſ

3.3 Finished Product Specifications

FACTOR IX COMPLEX (HUMAN)

KONYNE®

		Limits of Assay -	Test Methods
	Assay	Limits	Test Methods
	Factor IX	Not Less Than 400 units per vial	The assay is based on a Modified Partial Thromboplastin Time. Quantitation of the sample is made by comparing its clot time in the test with that achieved by dilutions of a Standard.
	Factor II	300-600 units	Owren one-stage prothrombin assay method is used. Quantitation of the sample is made by comparing its clot time in the test with that achieved by dilutions of a Standard.
	Non-Activated Partial Thromboplastin Time	Average clotting time of sample is greater than average clotting time of standard.	Clotting times are determined by a mixture of non-activated human plasma, non-activated partial thromboplastin, 1:10 and 1:100 buffered dilutions of prothrombin complex concentrate standard and/or test samples in the presence of CaCl ₂ .
	Loss on Drying	Not more than 3%	Measure loss on drying at 60°C for 4 hours at less than 200u Hg.
	Chloride	70-105 mEg/L	U.S.P. Procedure
	Sodium	190-285 mEq/L	Determined by atomic absorption spectro- photometry.
	рH	6.4 - 7.4	Measured at 24-26 ^o C by glass electrode on the reconstituted product.
•	Sterility	Pass test	Performed according to the method filed with the Bureau of Biologics, Food and Drug Administration that meets the requirements prescribed in the Code of Federal Regulations, (21CFR) Section 610.12.
	Pyrogen	Pass test	Follow the Bureau of Biologics method: 2 ml of reconstituted product per kg of rabbit body weight are injected. U.S. Code of Federal Regulations (21CFR) Section 610.13(b).

BAYP0000004_285_0014

3.3 Finished Product Specifications Cont'd

Factor IX Complex (Human)

KONYNE®

	Limits of Assay -	Test Methods .
Assay	Limits	Test Methods
Safety	Pass test	Procedure described in the U.S. Code of Federal Regulations (21CFR), Section 610.11.
Identity	Pass test	By precipitin test:

نور م

Anti-human rabbit serum - positive Anti-bovine rabbit serum - negative Anti-equine rabbit serum - negative

4

C

ŧ

ŧ

ŧ

÷.

5. Stability - Konyne

- 5.1 Attached are data sheets for 3 lots of Konyne Lot Nos. NC 9006, M 5542, M 5754.
- 5.2 Two year stability data is presented for product stored at 5°C and 25°C.
- 5.3 The containers used for the studies were Type I glass stoppered with natural rubber.
- 5.4 See data sheets for results.
- 5.5 The stability data analyses were performed using the same test procedures as those used for the finished product, item 3.3. Coagulation tests are performed by a one-stage factor assay. Electrophoresis pattern obtained using cellulose acetate electrophoresis.
- 5.6 Stability data supports product shelf life for 2 years.
- 5.7 Current U.S. approved shelf life is 2 years at 2°-8°C.
- 5.8 Recommended storage is 2° to 8°C. Freezing should be avoided as breakage of the diluent bottle might occur.

Factor IX concentrate may be stored up to one month at temperatures not to exceed $37^{\circ}C$ (99°F) during travel.

5.9 Cutter Laboratories has an ongoing stability program for the evaluation of the biological products being produced.

CUTTER LABORATORIES, INC.

į

ļ

 \bigcirc

STABILITY DATA

KONYNE®

18

	Through the termination of terminatio of termination of termination of termination of termina
	0.00-0.00
No 620 No	0.00-0.00 × × 120 000 × × 120000
ot Code Date Date Sation Code	units 1 980 02 dd 8 14 19 1
	United IN - Soor
1 8 to:	The protect is a start of the s
PROVED E	unites what we shall be a solution of the solu
c مراجع <u>AP</u> AP	571me 0 min 77 7 7 8 1 57
N R E 22 thm 22 thm 10 final	Clair 17 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
1 T I O toticd, Int. DUCTS Human) Human) <u>1) T / J</u> <u>108</u> , <u>216</u> .	
V A L A Ladora ICAL PRO ICAL PRO ICAL PRO ICAL PRO ICAL PRO ICAL PRO ICAL PRO ICAL PRO	sodium really 7 17 190-285 meally 0 10 11
TTE CUTTE BIOLOGI BIOLOGI BIOLOGI SIZE S SIZE SIZE S SIZE SIZE SIZE SIZE SIZE SIZE SIZE SIZE	$\begin{array}{c} cnloride L \\ rolos neq L \\$
<pre>3 I L I e[®] Facto ge Cond fueduk ar sign</pre>	P ^H Undiluted 5 5 N N N N N N
stora Usa, Usa, Ith doll	PREALAN NEW F 2 B 2
Produc	Alphanin File W W A A
E te te te	
1 2 - 28	The state of the s
Etu - Chu - Shur	Restance of the second
14	To - showshing to - s
to Cora	Protein - 10110 5.0 5.0
「「「「」」で、「」」	1/2/17

No. 620 - 20 11/ 2 /1 1979 17/0 - 2/1 1979	COMMENTIS	
Dan Lot N, O Lot N, O Location Date on Date on Date on Date on		
TEFARED DY PROVED DY A 6 19		
AP AP <u>143, 967, 26</u> I test poli		
ONRE Inc. (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		
1, U A T T statics recursion recurs low (Human low (Hum		
TER A UTTER A BIOLOGICAL OUT ER A Size Size tiono 5° tiono 6		
B I L I T C C Proce Fage Condi		
oduct Kor		
гsts Ватке Гт	Interated N. 27 11 10 11 10 11 10 11 10 10 10 10 10 10	
	Saferiant Constant	
13 F 2	10Los 110Los 110Los 11- 11- 11- 11- 11- 11- 11- 11- 11- 11	•
	Nutrice Control 130 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
1 Subouc	The The South	





				~r-	1	1								
			Threadin Threadins	V 11010	Peril P	T	02.02	1	1	1	1	1		
j S			0.00-0.00 Thrombin Thrombin Inicial	UISALT	Ress	1	100.07	١	lı	1	([]	· · ·	
620 -	5542 2542		0.00-0.002 c	117066	1		686	113	690	599	8	529		
Code No.	on 27-0		units VI	15 064		1	61.5	۲ ۲	493	126	64)	170		
	<pre>g. Lot ? Mfg. Da Exp. De Locat1 Date Reason</pre>	Testin	Fact Da 400 [VIB] Units Netivi	122061	10%	1	: 6.	Lo	1-0-1	5 66.	90.	.12		
GR GRO O-C -C	Mf are Mf	ulation	Spector Factor JINS Protein	1 69011	50		970	31-	38	000	35	1 16		
	0.000	only. Coag	Facto 625	9054 4	5 55	36	0	9 6	2 52	10 6	0 6	0 6		
APPROVE	i De zus	points	Solubili Time 0 min	32	Pe	0	5 2.	5 5	1 6	1.1 6	11 6	1 1		
0	<u>Alat. R</u> 903,904	l test	Claricy Claricy	52 269		25	1 %	2 %	56	95.	5	95.		
N N	20mm	nd fina	Noisture Noisture	2610	46.0	1.37	1.1	1.53	1.1	1.73	l	1		
I C Iotiel, Inc JUCTS fitman)	1) - 1 () - 1 () 19 (31 K	itial n	0.0	256 05	892	1	1	1	}	1	1	1		
A L U Labora CAL PROI	5 0 634(e at in	190-285 L	250 050	36	I	l	١	۱	1	1	1		
TYEV UTTER BIOLOGI	Size S edure (tione	are don	20-105 mEq.	ETO SHO	6.90	6.92	د ۶۶-	85.9	6.58	6.98	0.0.1	76.6		
ILI7 C C Pacto	Proce	ar sign	PH UNDI 7.40 6.40 0.25 ALBumin	39018	۱	7	80	20	8.3	0	~			
t Konyne	Stora	th doll	110 010	37018	1	ما	Т	م	5.2	1 1	6	5		
Produc	•	irked vi	Albur	33 018 0		- 62		\$2	L.L.	7	_	c		
.		cal Ten	CX -Block	3018 0		0		E E		7	-		· · · ·	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		cliem1	B1 B100	18 02		•.			2	9	01	2		
l Hfg b			B2-Blobular	18 019:	(0	D	0	0	0	•	0		
я 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	104.4		V-8lobulin	5 ol5o		0	6		0	0	•	0		
3 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	valid elf Lif		Protein	01101	435.0	112.0		0.593	565.0	0.613	1.598	419.0		
CAF CC7	Lot Sh		Stis Via		×-42-	Le 1/2	11/m	4-57-0	81-52-	86-21-	bl-sc			
PH Del					<u>ا د</u>	w.l	~	<u>· ₽</u> .)	<u>- </u>	<u>د</u>	-	<u>+ 1</u>		

TABLLITY EVALUATION A CONTERPACTOR PRODUCTS CUTTER AL Abada III BIOLOGICAL PRODUCTS Product. Environ Fractor IX Complex (Iuman) Product. Environ Fractor IX Complex (Iuman) Reg. Log 90. 2 State Product. Environ Mar. III (IIII) State Product. Environ Mar. IIII (IIII) State Product. Environ Mar. IIII (IIII) State Product. Environ Mar. IIIII (IIIII) State Product. Environ Mar. IIIII (IIIIII) State Product. Environ Mar. IIIIIIII State Product. Environ Mar. IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	• • • • • • • • • • • • • • • • • • •	1172 552.45/64 -452.77/55		Comments									JAN 1 8 1979	DATA ENTEN	
Freduct. Econol. FT A B I L I T Y E V A L U, A T I O II R E C P B REPRED EV D CUTTER AL. Labout A. Labout. CUTTER AL. Labout. APPROVED IV Product. Econols Procutor. BILL A T I O II R E C P B Product. Econols Procutor. Approved A L U, A T I O II R E C P B Product. Econols Procutor. Approved A L U, A T I O II R E C P B Product. Econols Procedure Approved A L U, A L U, A T I O II R E C P B State State Procedure Constant A L U, A T I O II R E P State State	be No. H	Date / Da													•
CUTTER Za. Jased. All LI TY E V A LUATIO II A E C a D PRERED EV CUTTER Za. Jased. Froduct Euroreb Factor IX Complex (Illuman) ROPBOVED IN ROBOVED IN Product Eororeb Factor IX Complex (Illuman) Froduct Eororeb Factor IX Complex (Illuman) State State State State State Froduct Eororeb Factor IX Complex (Illuman) All LI TY E V A LUATIONED IN Roboted Factor IX Complex (Illuman) Froduct Eororeb Factor IX Complex (Illuman) State State State State Constraine J. State Constraine J. <td>GRO GR ³⁷ JW -C O-C ⁸JW</td> <td>Mfg. Loc Reas</td> <td></td> <td></td> <td></td> <td> </td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	GRO GR ³⁷ JW -C O-C ⁸ JW	Mfg. Loc Reas				 									
Set T A B I L I T Y E V A L L A T 1 O H A E C A D PREPR. CUTTER La. Loudeline. BIOLOGICAL FRODUCTS PRODUCTICAL FRODUCTS Product Konyneb Factor IX Complex (luman) Product Konyneb Factor IX Complex (luman) Stat Stat <td></td> <td>446,02-01 nly.</td> <td></td>		446,02-01 nly.													
F T A B I L I T Y E V A L L, A T I O H A E C T A B I L I T Y E V A L L, A T I O H A E C T A B I L I T Y E V A L L, A T I O H A E C T BIOLOGICAL PRODUCTS Product CUTTER Lat. douted the automation of the state	^D PREPAR APPROV	points o						•							- -
A B I L I T Y E V A L, M A T I O H R CUTTER Let Austrin. BIOLOGICAL PRODUCTS Product Konyne@ Factor IX Complex (llumm) Size Size Forduct Konyne@ Factor IX Complex (llumm) size Size Froduct Konyne@ Factor IX Complex (llumm) Size Size Froduct Konyne@ Factor IX Complex (llumm) Size Froduct Konyne@ factor IX Complex (llumm) Size Froduct Konyne@ factor IX Complex (llumm) Size Size Froduct Konyne@ factor IX Complex (llumm) Size Size <	J.	2. fet. 90%													- "
F T A B I L I T Y E V A L U.A T CUTTER Let. BIOLUCICAL FRODUCTS Froduct Konyne® Factor IX Complex (Iluna Size Size State Froduct Konyne® Factor IX Complex (Iluna Size Size State Froduct Konyne® Factor IX Complex (Iluna Size State Froduct Konyne® Factor IX Complex (Iluna Size State	ГОК Я /ht. Т	L and fir											-		-
TABILITYEVA CUTTER La BIOLOGICAL Product Konyne® Factor IX Compl Size	PRODUCTS	6 <u>3408,0</u> 2			-		-								•
Froduct Froduct Froduct CUJ Blo Product Konyne@ Factor CUJ CUJ Blo Storage Cuditii Cuditii Storage Cuditii Storage Cuditii Storage Cuditii Storage Cuditii Storage Cuditii Storage Cuditii Storage Cuditii Cuditii Storage Cudutii Storage Cudutii Storage Cuditii Storage Cudutii Storage Cudutii Storage Cudutii Storage Cudutii Storage	E V A I TTER La DLUGICAL IX Compl	re <u>cc//</u> ons <u>/5 a</u> e done at			<u> </u>								<u> </u>		•
Froduct Konyned Product Konyned Product Konyned Storage Storag	L I T Y CU1 BIG Factor	Procedu Conditi afgn ar				 •						<u>.</u>			
\$ Tests marked with	T A B I Konyned	Storage h dollar			-				جر ر						
Lasta 11 1 23 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Product	irked wit				в -11	B 11-51	g 11-5	8 12-77	84/2	24	6	179		
		Tests mu		Inicials Date	2/10 12	CC (4-9)	74	7-7	۲ م ۲ ۲ ۲	1	5H 25	int -	2/2 24		
			tta 🗸	saleri fail	15 240 5	rs 24	1		 	1	S Pa		55 Pe		
2 4 - 01 E P355 - 06 06 - = = =	5581		Blo-Tc.	Pyro3 Fail Pass	90705	- <mark>В</mark>		-	т <u></u>	16	13 PA	1	46 Pa		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			NAP TO SECOND	th Elui			130 A	112 .3	21 21	19 21	R 7	2 12		
ме 0013 1.1.1 1.1	0073 غيري PRODUCT 1			1:19 		54-76	41-22	11-1	1 4-52	1 AL-62	ci dl-si	1 11-52	1 66		

a an	ana galar Managara	J	(2 ²	Â,	:	1	en di pi Nationalista Lateralista	in dia A				
		Throabin	890 124	15.31		i		1	1	1	(
20 20 21 21		3 h ² .00 ² 1.2 0.00-0.01 Thrombin Thrombin	1.90817	دينار	í	1	1	1	(1	1	1979
620 - 620 - 521		0.00-0.00-11-	hrack	i	106	107	532		742	652	659	R T NH
Darte Code X	5	units V units V 53ctor II	F30704	1	242	+84	428		396	68.2-	a 1.15	
GRO GR . Starson GRO GR . Starson GR . Stars	n Testin	300 Vial White Activity	413065	101	6.79	1001	0.98		1.06	1.38	12	
	Igulatio	ulns ractor IX	4104	ه ۲٫۶	600	۲۰۶	582		629	526	721	
REPARED PPROVED 64. Ruth	. Cor	F35 UT	329054	7215	1.8	1.1	1.0		1.1	1.1	8.1	-
A A A A A A A A A A A A A A A A A A A		13.0 al.	269053	•	56	46.2	40,4		95.9	6.96	6.56	
N R E (<u> </u>		TT580 nm	750195	46.0	45.0	1.51	1		2.25	2010	2.40	
A T I O Coviet, Int. JUCTS JUCS JUCS JUCS JUCS JUCS JUCS JUCS JUC		0.0 3.0	150957	268	1	i	١		1	}	1	
V A L U , A L L U , A Ladona (CAL FROI (CAL FR		Sodiu megni 190-285 megni 190-285 megni	220 050	16	1	1	١		1	1	1	
T Y E CUTTER BIOLOGI BIOLOGI Size cedure ittione		Chilos play	510-240	ن ک م ی	6-17	6.51°	-13.7		692	5.8.9	14.9	
B I L I ne@ Fact sge Conc		PH Und 27.40 6.40 1.20 = Albumin	810 65	1	1.8	8.4	7		8	S	\$	
S T A uct <u>Kony</u> Stor With do		Mar ofo	810 40	١	1.4	S.b	?		r	7	9	
Frod marked	sting	All	93 018 (1	15.7	74.7	77		77	79	76	
다. 다 대 전 산 산	mical Te	Hot Relobulins	810 520	ł	-	2.11	6		9	6	Q)	
	Clic	A BI B	810 11	i	1	0	0		Ø	O	0	
		Hdo28 1	0 81051	1	17	1 >	o		0	0	0	
		T-8- 2	011015	h12.	20 9.4	342.0	5 5 5 3	·	523	bhr i	.546	
		Pro-1	ł	0 71.42	0 <i>[L- 11</i>	5-24	yC-02	·	-20 24 5	20 - 7% C	G N-31-	
	2	r +		<u>.</u>	ZAUD 12-	-1-	Len Y	•	101-F	-01	2	

·

(.

-

ŧ

4

.



2

ł

BAYP000004_285_0025

				X		der vrep				1999 (P. 1996) 					n an		atet e suga pit
					 	Thre	abin nouts	890/17/	5:	1	20.02			1	<u>I</u>		<u> </u>
í						0.00-0 Thron	Din bin bin	190514	Puss	1	< 0 001		ł	1	\$	1	
	620 - 20		1-16 1-16 1-76 1-78			0.00-0	or X	417066	1	1	239	624	621	614	706	1959	
	ode No.		HS7 HS7 HS7 HS7 HS7 HS7 HS7 HS7 HS7 HS7	1072 u	50	URIES	Nº b20	415 089	1	I	4 د ا	443	Lhh	ohh	164	447	
 F	3 		. Lot No Mfg. Dat Exp. Dat Locaric Date	keason c	Testin	100 200 Unit	Activit	SOOCIH	1.01	•,	0.12	1.13	1.12	1.05	111	1.04	
GR O-C	GR O-C		Hfg Lo Mfg.		gulation	SPE Facto	orein II	41004	Syo	-1	526	049	650	653	658	E	<u> </u>
D DY	D BY		- 1 and 10-0	e only.	Соа	400 Units	IVIAL IVIAL	329054	Pess	0.89	2.9	01.1	1.1	0.1	[.]	0 -	
TECPARE	nPROVI		<u>Aul. R.</u> 11: Bezu	it point	1	50.0 Tit	-119	. [sof3	1	84.2	96	96.5	1.28	96.2	9 C.	97.3	
KECO			ر مر مر اور ما من	inal ter		C13	DE UITE	1052	25.0	1.36	1.70	1.36	0/11	1.4.1	1.1	117.1	
LONI	S, lite.	(u	1), T.L. 20K-40),	al and f		10.0	3.01	15095	135	1	(۱	1	1	2	263	
L U T	PRODUCT	еж (Нита	4 (20m	it Initi		50d9 190-25	5 mEQ/L	20020	42	1		1	1		1	44	
ΕVΑ	LOCICAL	X Compl	tre CCI ons 54	e done a		ch1 70-10	S BEQIL	HS 0.23	ر ور	4.59	12.7	200	10.7	6.99	16.7	96.3	
LITY	CO Big	Factor]	S Procedu Condici o ducr S	sign ar	•	PH Und 6.40	110.40 7.40 ALBumin	0 810 6	1	ون	0	7	2	~	6	9.2	
À B I	<u></u>	conyne®	Storage USA, PA	ı dollar		PRE	010	57018 0	1	10	7	m	r	2	3.7	_	
Ľ).	Product 1	l . ·	ked with	ting	ND	a shuling	33 018 0	1	1	79.	80.	50.	77.	78.6	2.86	
		- 		ests mar	fcal Tes	tern	slou sobulins	23 018 0	 	11 8	1	0	10	12	5:0/		
		.g. Pre	ASSAY.	Ъ С	Chem	tic Pat	a bulins	9018 0		0	0	•	0	0	0	0	
•	- -	of M	Kacy			trophote R	3 obulin	15018 01	ι ι	0	0 O	0	0		0	0	
1	มี เมื	Date	hife -			Elec	-84	0 51011	.۱۴۵۰	1250	acs.	125	540	925.	(ม.	285	
L Eluc	JCT TYPE	SYADI	shelf ,			PT STOS	orein	0	17	0 10 Per	0 4/2		5/780	0 82/	0 4/1	179 0.	:
ں تربر	DODIA	Rew	Lo-	i		1/		-	1 9-6		1		J/F	10/6	3/0	10/6	
1		ui	· ••· •• ·••														

a tanga

15755 157555 157555 157555 157555 157555 157555 157555 157555 157555 157555 1575555	7-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	COMENTS										JAN 1 8 1979	WATA ENTE
Date. Date.	2 uo u					! !							
GRO GR	Reaso												
Wi CC	•		1							1			
PROVED	ats only		1										
D 75	test poli		1		· .						·		
я г. С 1357 - 165	final t		<u> </u>										<u></u> `
Т I О N <i>icd,</i> Int. 2TS Iman) (<u>1</u> дАк110]	tal and												
L Probudor L PRODUCA L PRODUCA L Probudor (11, 11, 11, 11, 11, 11, 11, 11, 11, 11,	at init												
TTER/ TTER/ OLOGICA/ OLOGICA/ Size SPC Ure CCC	re done												
L I T) CU BI BI Factor	sign al												
T A B I Konyne© Storage	dollar											-	
	ed with				4			6		5	4		
F=	ts mark	Intriaisl	12	1/2/2		614 1/1/2	2/2/2	4[14]	9.5H	47.53	1121 II		
	\$ Ter	SaferyFail	2 5300	Pars	1	1	1	1	Pess	1	845		
	-Tenta	Fass Fyrosen Fail	hoses	Pess	1		l	1	Pu 55	1	Pa.55.		
2 1 2	Blo	Fass 1: 100	429090	1	1	164	154	Ŀ	151	182	149		
3 TTPE		NAP 10 1. CON	423093	,	1	- 25	15	hol	113	901	81		
PRODUCT		WARTE SUCCESS		72-10-	11-50.	11-21-	-25-17	21-31-	22/10,	64/10	PT-81		<u>pigeani(a)</u>

•

en e		ى يەلىرىمىيە بەر بەر ئەرىيىتى بىرىمىيە بەر				un versen nu Suchern vers			 <u></u>					و المی روز: الحم سلسنتی
		4		Th	corbin -	870 10%	1.45			1	T I		1	
	20	27		0.00 Th	100.002 11 - C. 00 - C. 00	117067	7.15	1	1	1	1		<u> </u> .	
	620 -	$\frac{1}{(r-1)}$		0.00	10.001 11	99011	,	1.1	610		625		ر مربع	1. 1. 1.
	Code No.	No. <u>11</u> ate <u>11</u> an <u>11</u> an <u>11</u>		Far	Its VIL	630-54	,	100	25%		180	141	410	
	GR GR	fg. Lot Mfg. D Exp. D g. Locat Rcason Rcason	Testing	(U)	no viel niteriviel sie Activie	1/3065	101	1.08	20.1		1.05	1.16	1.17	
	0-C C	JW JW	ulation	SP2ET	actorein Protein	1064	urs	507	623		647	65.5	4 64	•
	PARED 12	Rulbert 212, 9mpro	Coag	100	625 UVI	\$ 1.50523	Jass	1.25	1.5 1.0		0.75	88.0	1.1	
	131.14 R 0	in Alat		0.0	Time min	269053 3		11.1	9.96		47	1.16	8.96	
	с ы ж	4 05 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			CLA DE	125017	0.92	127	141		2.32	2.41	2.36	
	r I C N ied, he. :TS	nan) 		0	No152.01	C 15095	261	1	, 1		1	1	l	
(L U A Cabonator L PRODUC	lex (11u 0 (<u>(25</u> 25°C 25°C		199	Sodium BEALL	2 c29	92	1	1		1	1	1	
	Y E V J	Size St dure (tions are done		70	Chloric nEql.	c Ero_SI	6-95	11.7	56.9	8/- 9	15.2	7307	14.9	
	י בי	9 Factor Proce 6 Condi		PH 6	Undilue.40	0 810 6	1	۲۰۶	6.9	•	~	e	7	
	ан Д А Д С	storag torag		П	PRE 10	1 018 C	1	. 8.0		,	 5	ત	7	
		Product arked wi	- Ine	2017	Moral	5 018 01	1	111	=		78	17	03	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ral Tool	Cat tes	-Bloby	13 018 0	<u> </u>		5		<u>۔</u> د	1	5	
		••••••••••••••••••••••••••••••••••••••	t and	cnemu etic Pal	BJ BLOULIN	4018 01			-		 F	<u>โ</u> ก		
				tronhor	32 ⁸¹⁰⁰⁰	018 01	 '				 	0	0	
				1913	J-BLODUN	1015 015	244	5.0 2	567 <	:573	563	-12	172	
				ł	Protein Enslvial	10	ء بر	3 [L.7	. gl-1	128 0				212
• • • • • • • • • • • • • • • • • • •			•	J		119	9- v	1 2		1/2				

BAYP0000004_285_0028



BAYP0000004_285_0029