	FOCE	AND DRUG ADMINISTRATION	ACENVINE, MD 20032	(301) 82/4171
NAME OF PROTVID	UAL TO W	HIGH REPORT ESUID	PERIOD OF INSPECTION	C.F. NUMBER
TO: 106	SKI	b. AKHIIEK	10/10-26/00 TYPE OF ESTABLISHMENT IN	1873886
III CE TE VID	ען חברים	IEF DRECETING OFFICER	Vaccine/Blood Produc	
	aj Uni	er utelating uppleda	NAME OF FIRM, BRANCH OR	
HICH NAME BioPort Corpo	ration	•	same	OILL EIGHTS IED
STREET ADDRESS	1 adon		STREET ADDRESS OF PREMI	SES INSPECTED
		King, Jr. Blvd.	same	
CITY AND STATE			CITY AND STATE (Zip Code)	
Lansing, MI			same	
DURING THE INSP	ECTION O	F YOUR FIRM WE OBSERVED:	•	•
	mploye	and construction of the filling suite (Rms - ee practices do not assure sterility of produ- eming the design and construction:		nental monitoring, cleaning that,
	001100	TIME are seeden and server as in a	•	
	1.	seams around the hot air oven are not sea smoke from the unclassified Room hot air oven.		
I ,	2.	floors in room are not of a material t	hat is easily cleanable,	and walls have seams.
	3.	the curtain separating the class 10,000 are approximately 6" above the work surface class 10,000 area into the class 100 area of	height and smoke was	observed flowing from the
	4.	the curtain separating the class 10,000 are discolored where employees enter/exit, a is taped at seams in several areas.	ea from the class 100 are ppearing to be rust from	ea of room is weights in the curtain and
·	<b>5</b> .	the in-line HEPA filter box for the hot air	oven is located in the c	lass 10,000 area of room
	6.	gowning room ( does not contain an	air return, only a vent o	pening into room
	7.	rust was observed on hinges of the hot air grates for HEPA filters and the the filling line and exit of the gowning ro	(in the class 10,	ase of the hot air oven, 000 area at the beginning of
	8.	temperature and humidity specifications is operating.	or Room are not m	et when the hot air oven is
	9.	smoke studies show there is turbulence in and enter room directly beneath HER	the area where employed	ees exit the gowning room
	10	smoke studies indicate the floor returns in	room do not all re	turn air uniformly.
SEE REVERSE OF THIS PAGE				DATE ISSUED 10/26/00
FORM FDA 493 (5	/85			Page 1 of 17 Pages

. FOOD AND DAVID ADMINISTRATION			
NAME OF INTEVIOUAL TO WHOM REPORT ISSUED	PERIOD OF INSFECTION   C.F. NUMBER		
TO: KABERT G KRAMER	10/10-26/00 1373886		
TITES OF NOW DUPLY	Type of establishment inspected		
THE CHIEF OPERATING OFFICER	Vaccine/Blood Products Manufacturer		
FIRM NAME	NAME OF FIRM, BRANCH OR UNIT INSPECTED		
BioPort Corporation	same		
STREET ADDRESS	STREET ADDRESS OF PREMISES INSPECTED		
3500 N. Martin Luther King, Jr. Blvd.	same		
CITY AND STATE (Zip Code)	CITY AND STATE (Zip Code)		
Lansing, MI 48909	same		
DUMBIC THE INSORCTION OF VOLD FROM INC. OR ESTATE.			

11. The gowning room for filling (Building , Room ) has airlock doors that interlock. An interlocking mechanism overide allows for the doors to be opened both at the same time. The lock has only the word "exit" printed on it. The SOP for gowning (#FP01-006-01) does not address airlocks and proper use of the airlocks.

## B. \_ concerning environmental monitoring:

- 1. There is no assurance that environmental samples taken in the filling suite in Building Room and the capping area Building Room are representative of actual conditions in the filling suite. For example:
  - Tryptic soy agar (TSA) plates used for environmental surface and personnel monitoring are growth promoted using bacteria, yeast, and molds. During growth promotion, plates are incubated at 30-35 degrees C for bacteria and at 20-25 degrees C for yeast and mold. However, incubation for plates used for surface and personnel sampling are incubated only at 30-35 degrees C.
  - b. The sampling procedure for environmental surface sampling in the filling and packaging suites is not representative of the entire work areas. Samples in the capping area are limited to one side of the room. Samples in the filling suite in both the class 10,000 area and the class 100 filling area (separated by vinyl curtain) are not taken in critical areas that are most often in contact with personnel. For example, the areas not sampled include: the vinyl curtain that separate class 10,000 from class 100 is not sampled; the doors to the dry heat oven are not sampled; the autoclave door is not sampled.
  - c. Environmental samples are taken prior to and after filling operations. Surfaces sampled for environmental monitoring are not always cleanable. For example, the turntable for the empty vials in the class 100 filling portion has holes in it to allow for air to pass through. This turntable is sampled both before and after filling operations. It was observed during mock sampling that media remained inside the holes after sampling and after the technician wiped the residue from the top of the surface.

SPE DOUBBER	-			
SEE REVERSE OF THIS PAGE				DATE ISSUED 10/26/00
FORM FDA 483 (SA			Pre	1 -217 8
•			 rage.	2 of 17 Pages

P.03

	<u> </u>					
NAME OF POLYDU	AL TO W	OM REPORT	ESUED		PERIOD OF INSPECTION	
TO: KAICE	X7 6	1. THE	1115K		10/10-26/00 TYPE OF ESTABLISHME	1873886
TITLE OF ADIVIDU	DENT	T/CIII	I DER	ATING OFFICE	Vaccine/Blood Pro	ducts Manufacturer
FIRM NAME		1			NAME OF FIRM, BRANC	H OR UNIT INSPECTED
BioPort Corpor	ation	•	·		same	
STREET ADDRESS		*** 1 1	213		STREET ADDRESS OF PI	REMISES INSPECTED
3500 N. Martin		King, Jr.	BIYa.		Same CITY AND STATE (2.1) C	
CITY AND STATE C	48909		•		same	<b></b> ,
DURING THE INSPE	CTION OF	YOUR FIRM	WE OBSERVED:			
BOUTIO IND RIGIT		d.	The firm does	not always identi	fy environmental cont	aminants when they exceed the
				re all exceeded.	_	•
		•			10/24/00	
		e. (	Corrective act	ion stated in steri	ity test failure investis	gations for at least the last 24
					_	lator to perform sterility testing
						in sterility failures. To date,
-	•	1	ine barrier iso	lator has not been	Validated.	
·		f	Samples have	hear taken "for it	aformation only aimes	1997 in the sterility gowning
						emples exceed the action level
	•					Though these samples are
·		1	aken in chic	ai areas, the result	s are not used routinel	y in failure investigations.
	•					•
C.	CONCE	ming cles	ming of room			
•	1.	one solv	rtion is used f	of cleaning curfus	ae including the aveni	n, floor, walls, ceiling and oven
	1.	One son	adon is used i	of cleaning surface	es incidenta de causa	n, noor, wans, cennig and oven
		and auto	ociave gools o	isuco em cousi	sting of a solution	101
	_					
	2.	inere is	no cara mat u	ue cleaning solution	on is effective in Lemo.	ving microorganisms from
		surfaces	in room		•	
·					ar .	·
	3.	cleaning	g of room 🗰	is performed up t	o adays prior to filling	g product, despite the length of
		time fro	m the last cle	aning.		•
D.	concer	ming emp	oloyee practic	es:		
		_				
	1.	employe	es routinely e	exit and enter thro	ugh the curtain in Roc	m product filling.
		moving	between a cla	iss 10,000 area an	d a class 100 area, and	d do not always sanitize their
		hands at	fter touching t	the curtain between	n the careas, as seen i	in the media fill of 7/00.
	2.	operator	s enter the cla	ass 100 area from	the class 10,000 area t	he barrier curtains are moved
		in such	a way as to be	ass over the empty	sterile vials which all	ows for the vials to be exposed
		to class	10,000 condit	tions	District Field Wilder Bri	ons in the views to be expessed
					<u> </u>	
C						
SEE REVERSE OF THIS PAGE						DATH ISSUED
OF INISTAGE						10/26/00
·						
FORM FDA 483 (5/						

//	
NAME CEANDIVIDUAL TO WHOM RUFFERT LEGUED	PERIOD OF INSPECTION C.F. NUMBER
TO: KOBERT 6. KRAMBR	10/10-26/00 1873886
TITLE OF INDIVIDUAL	Type of establishment inspected
PRESIDENT (COD	Vaccine/Blood Products Manufacturer
FIRM NAME	NAME OF FIRM, BRANCH OR UNIT INSPECTED
BioPort Corporation	same
STREET ADDRESS	STREET ADDRESS OF FREMISES INSPECTED
3500 N. Martin Luther King, Jr. Blvd.	Same
CITY AND STATE (Zip Code)	CITY AND STATE (Zip Code)
Lansing, MI 48909	Same

DURING THE INSPECTION OF YOUR FIRM WE OBSERVED:

- 3. There is no mirror in gowning room to assure that employees comply with gowning procedures.
- 2. The following product lots failed initial sterility testing for release or for stability testing:

Test . date	Product	Lot number	Test Purpose	Test Time Point	Microbial Identification
3/1/99	Albumin	HA1204	Stability	O Month	Staphylococcus epidermidis
11/17/99	Anthrax Vaccine sublot	AV824	Sublot Release	N/A	Bacillus spaericus * *
12/29/99	Anthrax Vaccine	FAV014	Release	N/A	Bacillus mecerans
1/28/00	Anthrax Vaccine	FAV011	Release	N/A	Propionibacterium acnes
4/13/00	Rabies Vaccine	RV167	Release	N/A	Staphyloccus epidermidis

\*Lot AV824 was retested and failed the retest.

Investigations into these initial sterility test failures are incomplete in that:

- A. The firm examined sterility test suite environmental monitoring, media, and testing procedures and was unable to determine that the failure was related to testing error.
- B. The firm did not evaluate environmental monitoring conducted at the time of the filling operation.
- C. The firm did not attempt to associate the organisms isolated from the sterility failures to organisms isolated previously from the environment.
- D. Several failure investigations state in the conclusion that the firm has proven anti-microbial effectiveness testing.
- E. The firm does not address corrective actions relating to personnel in their investigation of sterility failures though the firm concludes in several incidences that the cause of the sterility failure is technician error.

SEE GEVENOR		
OF THIS PAGE		DATE ISUED
	1	10/26/00
	1	
FORM FDA 483 (5/8		
1	Page -	of 17 Pages

1			
NAME OF INDIVIDUAL TO WHOM REPORT ISSUED TO: TOUSET G. TRANCES	PERIOD OF INSPECTION   C.F. NUMBER   10/10-26/00   1873886		
TITLE OF PRIVIDUAL PRESIDENT (CDO	Type of Establishment Inspected Vaccine/Blood Products Manufacturer		
FIRM NAME BioPort Corporation	NAME OF FRM, BRANCH OR UNIT INSPECTED SETTIO		
STREET ADDRESS 3500 N. Martin Luther King, Jr. Blvd.	STREET ADDRESS OF PREMISES INSPECTED SEITIE		
CITY AND STATE (Zip Code)  Lansing, MI 48909  DURING THE INSPECTION OF YOUR FIRM WE OBSERVED.	CITY AND STATE (Zip Code) Same		

These lots were re-tested, those that passed the sterility re-test, were released.

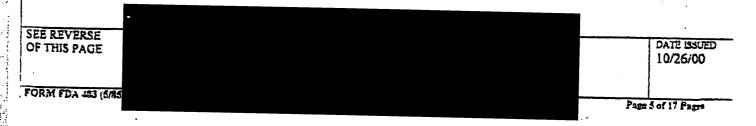
- Investigations are incomplete, inaccurate, or not conducted. For example:
  - A. Investigation report for the media fill that took place on July 13, 2000, states that based on investigation findings, the filling room (Building a room appears to have been contaminated with organisms that had not been previously detected by BioPort's environmental monitoring program. The organisms isolated from the media fill are as follows: Cephalosporium species; Staphylococcus epidermidis; Curvularia (fungi) species, Aspergillus (fungi)species, Yeast, Penicillium (fungi) species; Micrococcus species; Cladosporium (fungi) species.

The firm's microbiological trend analysis for environmental isolates from the period of October 1,1999 through March 30, 2000 found some of the organisms in the environment that were isolated from the media fill. Those organisms include *Micrococcus* species (isolated from personnel and air); *Staphylococcus epidermidis* (isolated from personnel, air and surfaces. Fungi were isolated from air and equipment but those fungi were not identified by genus.

Cladosporium (fungi) species and Alternaria (fungi) species were isolated from equipment in the filling area (Building froom ) in 1995.

Tryptic Soy Broth (TSB) vials used for the media fill were incubated at degrees C (though the protocol indicated that it should be 20-25 degrees C). The manufacturers recommended temperature for incubation of TSB is 20-25 degrees C.

- B. Investigations were not conducted when alarms occurred for non-viable particulate (NVP) monitoring in room Class 100 fill area. For example:
  - During lot FAV059 fill on 5/3/00, particles (μm) per ft³ were noted at 10:26 am at the turntable point. A comment in records noted an operator was removing tipped vials near the probe.
  - 2. During lot IG149 fill on 4/7/00, particles were noted at 12:43 pm at the turntable point. A record comment attributed this to an operator in the curtain area.



N FUULAND DADO ADMINISTRATION	(
NAME OF ADDIVIDUAL TO WHEM REPORT ISSUED	PERIOD OF INSPECTION C.F. NUMBER
TO: KOEZET G. KRAMSE	10/10-26/00 1873886
TITLE OF ANDIVIDUAL	Type of establishment inspected
FRESTDENT/COD	Vaccine/Blood Products Manufacturer
FIRM NAME	NAME OF FIRM, BRANCH OR UNIT INSPECTED
BioPort Corporation	same
STREET ADDRESS	STREET ADDRESS OF PREMISES INSPECTED
3500 N. Martin Luther King, Jr. Blvd.	Same
CITY AND STATE (Zip Code)	CITY AND STATE (Zip Code)
Lansing, MI 48909	Same
DURING THE INSPECTION OF YOUR FIRM WE OBSERVED.	

- C. Investigation #99-0072 into "flaking" found during visual inspection of Albumin, beginning with lot #HA 1200 on 11/2/98 is incomplete in that there are no protocols, with acceptance criteria addressing the "mock lots", repooling and refiltering of lots, pasteurizing samples of lots and changing process parameters. No report has been written as a result of the investigation. Multiple lots of Albumin failed visual inspection and are included in this deviation report, which concludes that the flakes are caused by ineffective filtering that resulted from using a plastic lock nut used as a replacement part, even though subsequent lots of Albumin continue to contain "flakes".
- D. SOP #CW00-004-03, Sampling and Testing of the Water for Injection and Clean Steam Systems does not address the action to be taken if action limits are exceeded in the system. A deviation report is issued, however, additional samples are taken until the results are within specification. In addition the action limits for microorganisms do not address the types of organisms found, such as gram negatives. For example:

For example on 8/18/99, Steam outlet # had a total microbial count of CFU, gram negative bacilli, reported on Deviation #9900865. The site was resampled on 8/26 &27/99 and no CFU's were found. On 8/18/99 the same site failed to meet its Conductivity specification. And on 8/11/99 2 CFU's were found at Steam outlet # and identified as Chryseobacterium meningosepticum. This organism (1 CFU) was found at this site again on 9/28/99.

- 4. QA unit has not assured completeness, accuracy, of records, reports, and testing documents. For example:
  - A. concerning the report of the 7/00 media fill, which did not pass specifications:
    - 1. The investigation report, approved by management 10/11/00, indicated that positives were found in wills; however, batch production records indicated that only wills were incubated.
    - 2. Batch production records indicate that filled vials were removed during filling; however, the reasons for removal or rejection were not recorded.
    - the investigation report does not mention multiple design and construction deficiencies mentioned above.

CER DEVERGE		
SEE REVERSE OF THIS PAGE		DATE ISSUED
		10/26/00
FORM FDA 483 (5/8		
	Page	6 of 17 Pages

Complete the state of the state

NAME OF INDIVID	WOT JAU		ORT BSUED	PERIOD OF INSPECTION 10/10-26/00	C.F. NUMBER
TO:	UAL.;	<del> </del>		TYPE OF ESTABLISHMENT	1873836 NSPECTED
Vier	51.1-	حدن کھ مہ	11 Chef Operation	Vaccine/Blood Produ	icts Manufacturer
FIRM NAME				NAME OF FIRM, BRANCH	OR UNIT INSPECTED
BioPort Corpo		· <u> </u>	· · · · · · · · · · · · · · · · · · ·	STREET ADDRESS OF PRE	HOGO NIGHTONIA
3500 N. Marti		King, J	r. Blvd.	same	MIDED INSPECTED
CITY AND STATE	(Zip Code)			CITY AND STATE (Zip Cale	)
Lansing MI				same	
B.			em we observed: se log for maintenance, cleanin	a and you / TIMAC) for h	.:14:
В.			ipment:	g, and use (LUMAC) for of	miding septic ninng
	1. ·	entrie	s are missing or inaccurate enti	ries; for example:	
		a.	Product lots HA1209, HA12 11/5/99 and 12/8/99 were no been misplaced; however, a l	t entered. A log entry dated	I 12/8/99 noted the log had
	•	b. ·	Product lot HA1204 filled on filled between 12/23/98 and	a 3/3/98, and lots FAV048, 1/7/99 were not entered.	FAV048B, and BP7012,
		C.	Media fill #63, which was a : 5/17/99, but was not recorded	special fill for a pasteurizati d on the log.	on study, was performed on
		ď	Media fill #64 was performed only indicates the set up date	d on 7/26/99; however, the of 7/22/99.	log does not record this. It
		<b>e</b> .	Several entries in August 199 concurrently, but were made appropriately post-dated and	later after omissions were o	3/29/00 were not made discovered (they were then
		f.	Second check initials and dat 10/7/99.	es were inconsistently reco	rded between 12/18/98 and
		g.	The log records filling of Lot correct fill date, but an explan	FAV049 on 8/20/99, and I nation was not made in the	0/7/99. The latter is the log.
		h.	The date 10/2/98 appears before 4/4	ore 9/30/98; the date 3/31/0 1/00, with no explanation.	0 appears before 3/29/00
	2.	The L	UMAC is not periodically revi	ewed for accuracy and com	pleteness by the quality unit.
С	3/23/0	אסוכני ל	ts for temperature and relative there were several temperative (specification ).	ures above C (specificat	wibimed bas ()
SEE REVERSE OF THIS PAGE					DATE ISSUED 10/26/00
5001					
FORM FDA 483 (5/					Page 7 of 17 Pages

The second secon

A Section 1997 The Company of the

	FUU	D VISA DUAN URBITAN TAULTON		(===,=== .
NAME OF INDIVID	ATAL TO A	whom report issued	PERIOD OF INSPECTION	C.F. NUMBER
TO: /C	وربراسه	- C. Treme	10/10-26/00	1873886
TITLE OF INDIVID	UAL /	101.11 -1 54.	TYPE OF ESTABLISHMENT	
	- F21	seden / Chief Oresalina Office	Vaccine/Blood Produ	
FIRM NAME	1.		NAME OF FIRM BRANCH	or unit inspected
BioPort Corpo			same	
STREET ADDRESS			STREET ADDRESS OF PREA	ases inspected
		r King, Jr. Blvd.	same	
CITY AND STATE		•	CITY AND STATE (Zip Code	
Lansing, MI	48909		same	·
DUKING THE INSP		F YOUR FIRM WE OBSERVED:	<b>-</b> _	
i	devia	tions were evaluated. (No increased tempera	itures were observed i	during product filling, and
į	cond	itions were corrected.) Recorder charts were	not reviewed and apr	roved by Manufacturing
	Supe	rvision until 6/21/00. No comments were inc	luded concerning the	out of mace readiscs
				out of range readings.
		•		
			•	
D.	The H	P&ID drawing for the clean steam system in I	Bldg does not include	ide the
	Auto	clave in Room		
	٠.		,	
E.	A	in sances for 1009 and 1000 are incomplete.		
ا.	wittin	al reports for 1998 and 1999 are incomplete:	and have not been sui	mitted to FDA.
'				•
F.	SOP	#FP01-005-002 states the drying cycle for the	Autoc	lave is Aminutes Since
	appro	eximately 3/8/00, the cycle has been extended	to minutes become	a la da mara da la '
	odea	nately. The OA I Init has announced beach announced	manufact decam	se loads were not drying
	aucy	nately. The QA Unit has approved batch recon	ros affected by this ch	lange
		·		
5. regard	ling ad	verse events:		
			•	
	A.	The military reported a death of an individual	rol who had made a	4 -1
}	• •	EAVO21 The individual was insented to	THE WILL USE LECEIAGE	Anthrax vaccine lot #
l	•	FAV031. The individual was inoculated or	1 3/14/00 and died on	6/14/00. The cause of
{	:	death is reported as Aplastic Anemia and Ir	ivasive Aspergillosis.	The firm received
		information in a vaccine Adverse Event Re	porting System (VA)	ERS) form but there is no
		documentation as to when that report was r	eceived by the firm	bear, round out there is no
Í			over og by the min	
		I. The firm has not reported the death	4- FD4 : 14 :	
		1. The firm has not reported the death	to FDA in a 15-day n	eport.
			•	
		<ol><li>The firm has not conducted an investigation.</li></ol>	digation as a result of	thie VAEDS comed
·			Seriou and Globalt Of	uns TACKS report
	B.	The firm does not mand data manipul sales	4 1	
	U.	The firm does not trend data received relati	ng to adverse events.	Further, there is no
		documentation to show that the firm investi	gates adverse events	when received.
	C.	The firm has not investigated adverse event	s for anthrey veccine	that are different for
		those stated in the package insert. Example	e include has a	uiot die uilierent from
•		FAVORO and RAVIOAL have numerous	o menuce, dut are not	infinited to, the following:
·		FAV030 and FAV041 have numerous comp	DIBINUS IOI NAUSCA, dia	IThea, and vomiting;
		ravusu also reports double vision, dizzine	ss. memory loss and	shortness of breath and
		FAV020 reports memory loss, dizziness, ar	id "black outs"	
•				
	D.	There is no documentation to show when a	kiana ministra	
		There is no documentation to show when ac	iverse events are rece	ved by the firm.
SEE REVERSE				DATE ISSUED
OF THIS PAGE				10/26/00
				10/20/00
				ſ
FORM FDA 483 (5/8	S			Paris dia 2
				Page 8 of 17 Pages

	JAL TO W	HOM REPORT ISSUED	PERIOD OF INSPECTION	C.F. NUMBER
	12	trans	10/10-25/00	1873886
TITLE OF INDIVIDU	u.	det / Chief Chereteri Oshin	TYPE OF ESTABLISHMENT IN Vaccine/Blood Produc	
FIRM NAME BioPort Corpor	mtion		NAME OF FIRM, BRANCH OF	r unit inspected
STREET ADDRESS	ation		STREET ADDRESS OF PREM	SES INSPECTIÓD
	Luther	King, Jr. Blvd.	same	
CITY AND STATE			CITY AND STATE (Zip Code)	
Lansing, MI			same	
DURING THE INSPE	CTION OF	YOUR FIRM WE OBSERVED:		
6. There	із по аз	ssurance equipment is operating as designed:		
A.		rning the passthrough Autoclayment in Room Bldg	ve used to sterilize sto	ppers and processing
	1.	there is no documentation that the vent filte	er has been changed, o	or integrity tested.
· .	2.	the pure clean steam supplied to the autocle	ave is not monitored.	
	3.	the vent filter is not included in the prevent	tive maintenance prog	ram.
	4.	there is no documentation that annual preventas been performed.	entive maintenance fo	r the autoclave, due 7/00
	<b>5</b> .	there is no documentation that the autoclav remaining in the chamber, loads of stopper temperatures not being met during cycles a	s not being adequately	nce the observation of water dried, and drying
B.	Conce	rning the passthrough	en in room	Bldg 🌰
	1.	the 7/99 requalification:		_
	·	a. The approved protocol for cold spot variance for distribution thermocous approximately approximately the Cold spot determinate chamber, rather than an empty chamber.	ple temperatures. A te ed, between the lowes tion was performed w	emperature variation of to highest thermocouple.
		b. The summary report notes that the however, data indicates no. 10 was a rather than inside in the report.)	colder throughout the	es were no. 3, 4 and 13; run. (No. 10 was located at ever, this was not explained
		c. There was a temperature variation of approximately C between the low	luring loaded chamber west and highest them	run multurals, of nocouple, at about
SEE REVERSE OF THIS PAGE				DATE ISSUED 10/26/00
FORM FDA 483 (SA	85			Page 9 of 17 Pages

HAME OF INDIVID	UAL TO W	TION REPORT ISSUED	PERIOD OF INSPECTION C.F. HUMBER	•
TO:	best.	6. Rrener	10/10-26/00 1373886	
TITLE OF MONTH	UAL .	+101:114.7.	TYPE OF ESTABLISHMENT INSPECTED	
113	rede	I full feeling of	Vaccine/Blood Products Manufacturer NAME OF FIRM, BRANCH OR UNIT INSPECTED	
FIRM NAME BioPort Cordo	ration		Same	•
STREET ACCRESS			STREET ADDRESS OF PREMISES INSPECTED	
		King, Jr. Blvd.	same	
CITY AND STATE			CITY AND STATE (Zip Code)	·
Lansing, MI	48909		same	·
DURING THE INSP	ection of	F YOUR FIRM WE OBSERVED:	hough all thermocouples were above the spec	ie.i
			nording an menurocomples were spoke me sher	Hier
	•	<b>(E.C.).</b>		
•				•
	·	d. The summary report, prepare approved by Manufacturing r	d 9/20/99 by Validation personnel, was not finanagement until 6/5/00.	inally
	· <b>2</b> ,	I neded chember cold exact determine	tions have not been performed for minimum	ad
• •	<b>4</b> ,		tudies in 1006 areas performed for Hillimum	and
		lands Deputification steelingsing	tudies in 1996 were performed with mixed g	iassware
•			nd depyrogenation studies in 7/99 did not inc	lude <b>E</b> nL
		or mL vials.	•	
				•
	3.	Empty chamber cold spot heat distrib	oution studies in 1996 indicate that protocol	
	•	specifications were not met, in that the	hermocouple ranges were not within	rom mean
•		temperatures. The stated corrective:	action was to not use the lower shelves of the	OVAR
		/	To real to live 570 file lower 3ticiac? Of file	OVEII.
· C.	CODCE	rning the air handling unit that	supplies air to rooms and Bldg	
			- Tribute - To to the Care - Tribute	
	1.	the report for the air balance of 1996	contains blanks, does not always indicate ac	centance
		criteria, and was performed under sta	tic conditions for everals:	ceptames
		Allenia and was bettermed direct pr	and dominations, for example,	
		a. the report lists acceptance cri	and and an area of the contract of the contrac	
		a. the report lists acceptance cri	teria, under static conditions, for the specific	ation for
		pressure differentials of room	and All readings are above the	e
		specifications, but there is no	specification for the maximum air pressure a	illowed.
		• .		
		b. pages 50 through 53 list the s	upply volume for a room, and the room volu	me but do
		not list the room exhaust volu	ime, yet air changes/hour is calculated.	are, par do
		not not mis recit cidency. Fold	me, yet an enanges nom is calculated.	
		o than is no'		
		c. there is no written report of the	ne results found during the air balance, include	ling failure
		to meet acceptance criteria, a	and whether the system is balanced.	
_	_	•		
D.	Conce	erning plant compressed air, used in room	om for product movement through the	micron
	filter)	and in room (for fill equipment or	eration) prior to 7/00:	
	•			
	J.	There was no routine monitoring of t	he gir guality at there was mainte	
	••	was no location information of t	no an quanty at these use points.	
		•	·	
	-			
SEE REVERSE			I DA	TE ISSUED
OF THIS PAGE				/26/00
ORM FDA 483 (S	re .		Page 10 d	17 Pages
	•			- I
	•			

		FUUD MID UNDU ANTIGORIA CONTESTO		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	NAME OF INDIVID	ual to whom report issued	PERIOD OF INSPECTION	C.F. NUMBER
1.	TO: Pal		10/10-26/00	1873886
	TITLE OF INDIVE		TYPE OF ESTABLISHMENT	
;	72	ender / Charle O section	Vaccine/Blood Produc	
	FIRM NAME		NAME OF FIRM, BRANCH OF	Unit inspected
•	BioPort Corpo	ration	same	•
	STREET ACORESS		STREET ADDRESS OF PRIM	BES INSPECTED
•	3500 N. Marti	n Luther King, Jr. Blvd.	same	
	CITY AND STATE	Zip Ccds)	CITY AND STATE (Zip Code)	
	Lansing, MI	48909	same	· · · · · · · · · · · · · · · · · · ·
70世	DURING THE INSP	ECTION OF YOUR FIRM WE OBSERVED:		
		2. There was no preventive maintenant	ice program, including filter i	nspection and replacement.
		for coalescing filters that were prev		
# 5	'	101 coalescing titlers that were brea	loggity in place at the eac pen	113.
* 1		•		
	7. Chang	ge control system:		•
			•	
	A.	· New clean compressed air system piping, f	fittings, filters and use points	are installed in room
4.7.4	<u> </u>			
	1	and room however, the subject Chang	e Control Request #0024, 02	ted ////ou, has not been
-111		signed by QA to proceed with the change.		
		•		•
* \$	В.	Change Control #0783, dated 3/3/00 change	es the draing cycle for the	Autoclave from
- 3	Б.			
•,	1	minutes to minutes because loads are	• • •	
	}	reason the loads are wet at the end of a cyc	le. It is signed by OA, 10/24/	00 and does not address
	1	comments made by Regulatory asking for		
	1		an assessment of the circulor	the extended cycle on
- 1	1	autoclave loads.		
	1	2,		
	C.	During Phase I facility changes in rooms	and a new air duct w	as installed from the main
	]	air handling unit (AHU) into room	This change was not include	

## Change control system:

- New clean compressed air system piping, fittings, filters and use points are installed in room and room however, the subject Change Control Request #0824, dated 7/7/00, has not been signed by OA to proceed with the change.
- Change Control #0783, dated 3/3/00 changes the drying cycle for the B. minutes to minutes because loads aren't being adequately dried, and does not address the reason the loads are wet at the end of a cycle. It is signed by QA, 10/24/00 and does not address comments made by Regulatory asking for an assessment of the effect of the extended cycle on autoclave loads.
- During Phase I facility changes in rooms and and a new air duct was installed from the main C. air handling unit (AHU) into room . This change was not included in the Phase I Change Control Report No. 0551, subsequent memos describing additional changes, or other records. In addition, the change was not included on updated HVAC drawings. A formal documented evaluation was not made for the impact of this change on existing air system balance.
- Some work orders for corrective maintenance or repairs were marked as "Critical Systems Work Order," however, were not signed/dated as reviewed by Quality Assurance, Quality Control, Critical Systems Committee, or other management as required. In addition, there was no indication that product impact was evaluated. For example:
  - W/O #0030706, dated 3/7/00 states the Autoclave does not adequately dry stoppers. A.
    - the autoclave was not taken out of use during test cycles, and remains in use. 1.
    - 2. Work order #30706 remains open, and there is no documentation the autoclave was repaired Production was told which areas of the chamber not to use during loading to avoid wetness after a cycle



NAME OF INDIVIDUAL TO WHOM REPORT ISSUED	PERIOD OF INSPECTION   C.F. NUMBER
TO: Robert G. Kramer	10/10-26/00 1873886
THEOFINDIVIDUAL YES President, Chief Operating Officer	TYPE OF ESTABLISHMENT INSPECTED  Vaccine/Blood Products Manufacturer
FRM NAME	NAME OF FIRM, BRANCH OR UNIT INSPECTED
BioPort Corporation	same
STREET ADDRESS	STREET ADDRESS OF PREMISES INSPECTED
3500 N. Martin Luther King, Jr. Blvd.	Same
CITY AND STATE (Zip Code)	CITY AND STATE (Zip Code)
Lansing, MI 48909	same
during the inspection of your firm we observed:	
B. W/O #99030804, dated 3/8/99 states the 1	system is not working
W/O #99110110, dated 11/1/99 states the	system is out of temperature range
W/O #99122103, dated 12/21/99 states the	system is out of temperature range
7,70 ,70000 1001, 00000 0: 10100 000000 000	system is out of temperature range.
W/O #00032205, dated 3/22/00 states the	
W/O #00032801, dated 3/28/00, states the 1	HEPA filter indicator lights are flashing.

- C. Work order 00041408 was initiated by Production management on 4/13/00, to request room room pressure reduction, to prevent backflow into filling room. However, the concern was not evaluated completely at the time by Engineering, Quality Assurance, or Validation management. Further evaluation (based on verbal request) by pressure differential measurement was not performed until 6/2/00. Product lots IG150 and FAV059 were filled in room between 4/18 and 5/1/00. (The room was not used for product after 5/1/00 until media fill of 7/00).
- 9. The Out Of Specifications (OOS) SOP, #AL00-021-02, dated 11/18/99, allows two independent re-tests to be performed on a sample with initially OOS test results, even though the laboratory investigation did not find a cause for the initial OOS result. It states the two independent tests shall be performed, one by the original analyst and one by a second analyst, as "confirmatory testing". If the confirmatory testing fails to cnfirm the initial test result, then a series of re-tests by a second analyst may be performed.

On 12/6/99, finished product Human Albumin, lot #1209 was tested and failed to meet the protein specification (23.5% to 26.5%) with a result of and the result was considered valid. The results of "Confirmatory testing" by two analysts were (12/7/99) and (12/9/99). A second calculation, to determine whether these cresults were in the confidence interval concluded the OOS result was confirmed.

On 1/4/00, bulk Human Albumin, lot #1215 was tested and failed to meet the protein specification (23.5% to 26.5%) with a result of the and the result was considered valid. The results of "confirmatory testing "by two analysts were and and (1/5/00) and (1/6/00) A second calculation, to determine whether these 3 results were in the 95% confidence interval concluded the OOS result was not confirmed. It was tested additional times by the second analyst, the results were averaged with the test result of 1/6/00 and the average of the reported.

On 1/4/00, finished product Human Albumin, lot #1215 was tested and failed to meet the protein specification (23.5% to 26.5%) with a result of and the result was considered valid. The results of

		1454165 41
SEE REVERSE OF THIS PAGE		DATE ISSUED 10/26/00
FORM FDA 483 (5/8	Pa	ge 12 of 17 Pages

NAME OF INDIVIDUAL TO WHOM REPORT ISSUED	PERIOD OF INSPECTION	C.F. NUMBER	
TO: Robert G. Kramer	10/10-26/00	1873886	
	Type of establishment	Inspected	
President, Chief Operating Officer	Vaccine/Blood Produ	cis Manufacturar	
FIRMHAME	NAME OF FIRM, BRANCH O	r unit inspected	
BioPort Corporation	same		
STREET ADDRESS	STREET ADDRESS OF PREM	nses inspected	
3500 N. Martin Luther King, Jr. Blvd.	same	-	
CITY AND STATE (Zip Code)	CITY AND STATE (Zip Code)		
Lansing MI 48909	same		

"confirmatory testing" by two analysts were and and (1/5/00) and (1/6/00). A second calculation, to determine whether these 3 results were in the 95% confidence interval concluded the OOS result was not confirmed. It was tested additional times by the second analyst, the results were averaged with the test result of 1/6/00 and the average of the reported.

There is no report addressing the fact that both the bulk and finished product of Human Albumin, lot #1215 initially failed to meet protein specifications. There is no SOP for calculating the 95% confidence level.

- The firm has not set specifications for bioburden testing though they began testing for pre-filtration bulk on 2/20/97. Organisms found include but are not limited to Bacillus species, Corynebacterium species, Pseudomonas species, Micrococcus species, and Acinetobacter species. Further, the firm does not have a procedure for dealing bulk product that tests positive for gram negative organisms. The following are several examples:
  - A. Albumin lot HA 1205 was bioburden tested prior to sterile filtration. The firm recovered anchymlorganisms. Bacillus thuringiensis, Acinetobacter species were found as well as Chyseobacterium meningosepticum, a gram negative organism.
  - B. Immune Globulin lot IG 143 was found to have cfu/ml organisms of gram negative *Pseudomonas* flourescens in batch bioburden sample prior to sterile filtration.
  - C. Albumin lot HA 1212 was found to have cfu/ml of gram negative Pseudomonas species.
  - D. Albumin lot HA 1217 was found to have \_\_\_\_cfu/ml of gram negative Pseudomonas flourescens and a gram positive spore forming bacilli.
- 11. There is no documentation of review and approval of major Quality decisions by Senior Quality Management. For example:
  - A. the Investigation Report for the media fill failure, dated 10/10/00, is signed by the Director of Manufacturing and Director of QA.

·	-				·
SEE REVERSE					DATE ISSUED
OF THIS PAGE					10/26/00
}					
					}
					<u> </u>
FORM FDA 193 (6/8				Page	13 of 17 Pages

/L.m. G. 1.2	AL TO WHOM REPORT ISSUED	PERIOD OF INSPECTION 10/10-26/00	1873886
O: Rober	+ G. Kramer	TYPE OF ESTABLISHMEN	T INSPECTED
TILE OF INDIVIDU	AL DEFICEC	Vaccine/Blood Prod	lucts Manufacturer
President	, CALE, OPEN	NAME OF FIRM, BRANCH	OR UNIT INSPECTED
IRM NAME	enon	same	
BioPort Corpor	ation	STREET ADDRESS OF PR	EMISES INSPECTED
1 KES! ADDRESS	Luther King, Jr. Blvd.	same	
TTY AND STATE (	(in Code)	CITY AND STATE (Zip Co	ie)
ancina MI		same	
B. C.	lots of Human Albumin that did not meet the Diagnostic use. There is no documentation of the labeling used for this product.  there is no documentation of review and app Recommendation and Statistical Summary R this report are to be incorporated into the firm a decision on recommendations contained in	f the review and approva roval of consultant report leport", dated 6/27/00 and n's procedures; similarly,	to release this product not ts, such as the "Action Levil Action Action Levil Action Levil Action Actio
D.	7/28/99 addressing the "flakes" in lots of Hu Changes were made to the manufacturing pr for review and approval of these changes by	man Albumin. ocess for Human Albumi	n. There is no documentat
writte	n about the acceptability of the product manuf	actured under the deviati	ion. For example:
<b>A</b> .	Planned Deviation, #99-1438, dated 12/7/99 shipped under colder temperature conditions whether the colder temperature would reduce written after the finished lot was manufacture was corrected.	s and were used prior to o e particles (flakes) in firi	older lots of paste to determished Albumin. No report v
A. B.	shipped under colder temperature conditions whether the colder temperature would reduce written after the finished lot was manufacture.	s and were used prior to one particles (flakes) in first red, or whether the problem allow powder from small sand the formulation of	older lots of paste to determished Albumin. No report vern of "flakes" in the produced large all experimental fraction V flots of varying sizes. No
i	shipped under colder temperature conditions whether the colder temperature would reduce written after the finished lot was manufacture was corrected.  Planned deviations #99-1319 and 99-1320 - reworks using different ethanol concentration report was written about finished lots #HA1	s and were used prior to dee particles (flakes) in first red, or whether the problem allow powder from small sand the formulation of 209 and #HA1210 and the formulation of a new batch record to	older lots of paste to determished Albumin. No report vern of "flakes" in the productal experimental fraction V f lots of varying sizes. No ne effect, if any of these
В.	shipped under colder temperature conditions whether the colder temperature would reduce written after the finished lot was manufacture was corrected.  Planned deviations #99-1319 and 99-1320 - reworks using different ethanol concentration report was written about finished lots #HA1 changes.  Planned deviation #99-1403 allows a drainto lot #HA1213. No report was written about finished lots #HA1213.	s and were used prior to dee particles (flakes) in first red, or whether the problem allow powder from small sand the formulation of 209 and #HA1210 and the formulation of a new batch record to	older lots of paste to determished Albumin. No report vern of "flakes" in the productal experimental fraction V f lots of varying sizes. No ne effect, if any of these
B. C.	shipped under colder temperature conditions whether the colder temperature would reduce written after the finished lot was manufacture was corrected.  Planned deviations #99-1319 and 99-1320 - reworks using different ethanol concentration report was written about finished lots #HA1 changes.  Planned deviation #99-1403 allows a drainto lot #HA1213. No report was written ab repooling.	s and were used prior to dee particles (flakes) in first red, or whether the problem allow powder from small sand the formulation of 209 and #HA1210 and the formulation of a new batch record to	older lots of paste to determished Albumin. No report vern of "flakes" in the productal experimental fraction V f lots of varying sizes. No ne effect, if any of these
B. C.	shipped under colder temperature conditions whether the colder temperature would reduce written after the finished lot was manufacture was corrected.  Planned deviations #99-1319 and 99-1320 - reworks using different ethanol concentration report was written about finished lots #HA1 changes.  Planned deviation #99-1403 allows a drainto lot #HA1213. No report was written about finished lots #HA1213.	s and were used prior to dee particles (flakes) in first red, or whether the problem allow powder from small sand the formulation of 209 and #HA1210 and the formulation of a new batch record to	older lots of paste to determished Albumin. No report vern of "flakes" in the productal experimental fraction V f lots of varying sizes. No ne effect, if any of these
B. C.	shipped under colder temperature conditions whether the colder temperature would reduce written after the finished lot was manufacture was corrected.  Planned deviations #99-1319 and 99-1320 - reworks using different ethanol concentration report was written about finished lots #HA1 changes.  Planned deviation #99-1403 allows a drainto lot #HA1213. No report was written ab repooling.	s and were used prior to departicles (flakes) in first red, or whether the problem allow powder from small s	older lots of paste to determished Albumin. No report wern of "flakes" in the productall experimental fraction V f lots of varying sizes. No he effect, if any of these or repool Albumin lot #HA1213 and the effect, if any
B. C.	shipped under colder temperature conditions whether the colder temperature would reduce written after the finished lot was manufacture was corrected.  Planned deviations #99-1319 and 99-1320 - reworks using different ethanol concentration report was written about finished lots #HA1 changes.  Planned deviation #99-1403 allows a drain into lot #HA1213. No report was written abore repooling.  e incomplete  Filling SOPs do not address glass vial resteresterilized.	s and were used prior to departicles (flakes) in first red, or whether the problem allow powder from small s	older lots of paste to determished Albumin. No report wern of "flakes" in the productall experimental fraction V f lots of varying sizes. No he effect, if any of these or repool Albumin lot #HA1213 and the effect, if any

- lots of Human Albumin that did not meet their specification for appearance were sold for Diagnostic use. There is no documentation of the review and approval to release this product nor for the labeling used for this product.
- there is no documentation of review and approval of consultant reports, such as the "Action Level C. Recommendation and Statistical Summary Report", dated 6/27/00 and whether recommendations in this report are to be incorporated into the firm's procedures; similarly, there is no documentation of a decision on recommendations contained in a document from 7/28/99 addressing the "flakes" in lots of Human Albumin.
- Changes were made to the manufacturing process for Human Albumin. There is no documentation D. for review and approval of these changes by the quality unit.
- "Planned Deviations" allow departures from procedures or manufacturing processes and no reports are 12. written about the acceptability of the product manufactured under the deviation. For example:
  - Planned Deviation, #99-1438, dated 12/7/99 Albumin Paste lots #FVR865 and FVR866 were A. shipped under colder temperature conditions and were used prior to older lots of paste to determine whether the colder temperature would reduce particles (flakes) in finished Albumin. No report was written after the finished lot was manufactured, or whether the problem of "flakes" in the product was corrected.
  - Planned deviations #99-1319 and 99-1320 allow powder from small experimental fraction V reworks using different ethanol concentrations and the formulation of lots of varying sizes. No report was written about finished lots #HA1209 and #HA1210 and the effect, if any of these changes.
  - Planned deviation #99-1403 -- allows a draft of a new batch record to repool Albumin lot #HA1200 C. into lot #HA1213. No report was written about the finished lot #HA1213 and the effect, if any of repooling.

## 13. SOP's are incomplete

SEE REVERSE OF THIS PAGE	10/26/00
FORM FDA 483 (5/8:	Page 14 of 17 Pages

FDA

206 483 4996

10-20-5000 14:05

IAME OF INDIVIDUAL TO WHOM REPORT ISSUED	PERIOD OF INSPECTION   C.F. NUMBER
10: Robert G. Kramer	10/10-26/00 1873886
	Type of establishment inspected
President, Chief Operating Officer	Vaccine/Blood Products Manufacturer
TRM NAME	NAME OF FIRM, BRANCH OR UNIT INSPECTED
BioPort Corporation	same
STREET ADDRESS	STREET ADDRESS OF PREMISES INSPECTED
3500 N. Martin Luther King, Jr. Blvd.	same
CITY AND STATE (Zip Code)	CITY AND STATE (Zip Code)
Lansing MI 48909	same
XURING THE INSPECTION OF YOUR FIRM WE OBSERVED:	

B. Fill SOPs do not address the actions to take when filling is interrupted. Batch records for lot FAV057 indicate that filling began on 1/27/00, but was not continued. Filling was then actually performed on 2/8/00; however, there was no explanation in the batch records for this interruption.

14. Failure to follow CBER approved process for manufacture of blood derivatives; failure to submit changes to CBER; failure to validate the new process:

IN HOUSE
Since Papproval of a manufacturing departure in 5/97, the firm has been departing from approved manufacturing procedures, including but not limited to the following:

- 1. different centrifuge rates other than the rate approved in the firm's product license.
- changed addition rate ranges for addition of
- 3. changed addition temperature ranges of
- 4. reagent to product ratios instead of being used are changed not to be product specification but "for information only"
- 15. Validation and Requalification Documents are deficient, for example:
  - A. Concerning smoke airflow visualization testing for the room class 100 laminar air flow HEPA filters:
    - Original testing was done in February 1995, where average filter velocity ranged from to form. Changes in the air system were then made, as documented in 3/96 requalification records, so that average filter velocity ranged from to form. However, additional smoke testing was not performed at that time.
    - 2. Smoke testing was not performed in conjunction with allowable low and high air velocity range, for the HEPA filter bank. For example, specifications are that each filter velocity should be > or = 90 fpm.

SEE REVERSE OF THIS PAGE	DATE ISUED
OF INIS PAGE	10/26/00
FORM FDA 483 (5/85	Page 15 of 17 Pages
	rage to of 1 / Leges

CHICAL PERSON (COLLEG)	PERIOD OF INSPECTION   C.F. NUMBER
NAME OF INDIVIDUAL TO WHOM REPORT ISSUED	10/10-26/00 1873886
TO: Robert G. Kramer	TYPE OF ESTABLISHMENT INSPECTED
President, Chief Operating Officer	Vaccine/Blood Products Manufacturer
	NAME OF FIRM, BRANCH OR UNIT INSPECTED
FIRM NAME	same
BioPort Corporation	STREET ADDRESS OF FREMISES INSPECTED
STREET ADDRESS	same
3500 N. Martin Luther King, Jr. Blvd.	CITY AND STATE (Zip Code)
CITY AND STATE (Zip Code)	· · · · · · · · · · · · · · · · · · ·
Lansing MI 48909	same

DURING THE INSPECTION OF YOUR FIRM WE OBSERVED.

- 3. A smoke test was performed (and videotaped) in April 1999; however, there are no records to indicate the reason, or to provide an evaluation of its acceptability and Quality Assurance approval.
- B. No media fills were performed between 7/26/99 and 7/13/00. In addition, both of these media fills were performed using mL vials, and none were performed on mL vials (used for albumin).

  Media fill SOPs 12635, effective 9/12/95 and FP01-021-00, effective 11/30/99 specify that media fills will be conducted on each of the two vial sizes (2 or 5 mL and 50 mL) once per year. The previous media fill for mL vials was performed on 1/13/99.

There is a lack of reconciliation of vials that are returned to the firm from customers:

- A. Lot # FAV030, Anthrax Vaccine was returned. The documentation from the military states that vials were returned on 5/6/98. The firm's documentation shows that 10 vials were received on 5/26/98. The vials were sent for disposal at the firm but disposal records show that on 10/26/99 only of the vials were received for disposal.
- B. Lot # FAV017, Anthrax Vaccine was returned from the military. Documentation shows that vials were returned and received by the firm on 6/16/98. The firm's records dated 10/26/99, show the original number of vials received was but the records were changed to show that 6 vials were received for destruction.

## 17. Regarding documentation:

- A. Documentation of destruction for lots AV824 and AV825 was incorrect and/or inadequate in that the records show that the lots were destroyed but the lots remain in quarantined inventory.
- B. There is no documentation of destruction for agallons DPT intermediate product listed as having been destroyed in the Product Discard Log.
- C. Expired reagent ( local loc
- D. Numerous incidences were observed where QA did not sign final approval as required by procedure.

SEE REVERSE		DATE ISSUED
OF THIS PAGE		10/26/00
FORM FDA 483 (5	Page 16 of 17 Pages	

NAME OF INDIVIDUAL TO WHOM REPORT ISSUED	PERIOD OF INSPECTION C.F. NUMBER	
TO: Robert G. Kramer	10/10-26/00 1873886	
	TYPE OF ESTABLISHMENT INSPECTED	
President, Chief operating Officer	Vaccine/Blood Products Manufacturer	
FIRM NAME	NAME OF FIRM, BRANCH OR UNIT INSPECTED	
BioPort Corporation	Same	
STREET ADDRESS	STREET ADDRESS OF PREMISES INSPECTED	
3500 N. Martin Luther King, Jr. Blvd.	same	
CITY AND STATE (Zip Code)	CITY AND STATE (Zip Code)	
Lansing, MI 48909	same	

DURING THE INSPECTION OF YOUR FIRM WE OBSERVED:

- E. Batch records contain numerous deviations and do not document actual chain of events. For example, lot HA 1204 was placed on quarantine on 3/9/99 but there is no documentation as to verthe lot was placed on quarantine. The bulk pre-filtration sample shows growth of a gram negation bacteria but the document shows that the sample was a final filled sample not bulk.
- F. The document used as accountability for filled vials still shows a column where the firm docume rejected vials labeled as re-pool vials though the firm does not re-pool any rejected vials.
- G. Documentation of the inspection of vials for HA1207 shows that the inspection list is incomple that it does not state the rejects.
- 18. Regarding Sterility testing:
  - A. There is no mirror located in the gowning area for sterility testing of. During observations of it gowning operation for sterility testing the sterility test technician had a suit that had a hole in the back of the suit. She did not know about the hole in her suit but if she would have observed her gowning in a full length mirror, she would have known.
  - B. Observations of sterility test gowning found that sterility test personnel sample the outside of the gown with TSA media prior to testing and do not remove the residue of the media.



P.18

The observations of objectionable conditions and practices listed on the front of this form are reported;

- Pursuant to Section 704(b) of the Federal Food, Drug and Cosmetic Act, or
- 2. To assist firms inspected in complying with the Acts and regulations enforced by the Food and Drug Administration.

Section 704(b) of the Federal Food, Drug, and Cosmetic Act (21 USC374(b)) provides:

"Upon completion of any such inspection of a factory, werehouse, consulting laboratory, or other establishment, and prior to leaving the premises, the officer or employee making the inspection shall give to the owner, operator, or agent in charge a report in writing setting forth any conditions or practices observed by him which, in his judgement, indicate that any food, drug, device, or cosmetic in such establishment (1) consists in whole or in part of any filthy, putrid, or decomposed substance, or (2) has been prepared, packed, or held under insanitary conditions whereby it may have become contaminated with filth, or whereby it may have been rendered injurious to the health. A copy of such report shall be sent promptly to the Secretary."