e casterer de senes de la	DEPARTM	ENT OF HEALTH AND HUM	AN SERVICES	
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	r., Bldg. 200, Ste. 500		03/18/2013 - 03	/22/2013
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	ormation: www.fda.gov		2001539036	
TO: Larry D	. Stephens, Chief Ope			
FIRM NAME		STREET ADDRESS		······································
Medaus, Inc.	<b>TRY</b>	6801 Cah	aba Valley Rd Ste 1	16
Birmingham,	AL 35242-9609	Producer	of sterile drug pr	oducts
observations, and do observation, or have action with the FDA	observations made by the FDA rep not represent a final Agency deter implemented, or plan to implement representative(s) during the inspe- ntact FDA at the phone number and	mination regarding your con n, corrective action in respon ction or submit this informati	pliance. If you have an objection set to an observation, you may d	on regarding an liscuss the objection or
DURING AN INSPEC	CTION OF YOUR FIRM WE OBSE	RVED:		
OBSERVATION	1			
Procedures designate adequate validation	ed to prevent microbiological c n of the sterilization process.	contamination of drug prod	ucts purporting to be sterile	do not include
Specifically,				
<ul> <li>(a.) The firm has r used to (b) (4) mg/mL, Trian</li> <li>(b.) The firm has r</li> </ul>	not conducted equipment qualit sterilize the following fini- ncinolone Acet 60 mg/mL Inj S	shed products Bethametha Susp, all of which are made ( <sup>(0)(4)</sup> ) of the ((b) (4)		thasone LA 8 conents. ectable solution drug
<ul> <li>(a.) The firm has r used to (b) (4) mg/mL, Trian</li> <li>(b.) The firm has r</li> </ul>	not conducted equipment qualif sterifize the following finit incinolone Acet 60 mg/mL Inj S not performed (b) e from non-sterile drug compor	shed products Bethametha Susp, all of which are made ( <sup>(0)(4)</sup> ) of the ((b) (4)	from non-sterile drug comp	onents.
<ul> <li>(a.) The firm has r used to (b) (4) mg/mL, Trian</li> <li>(b.) The firm has r products made</li> </ul>	not conducted equipment qualif sterifize the following finit incinolone Acet 60 mg/mL Inj S not performed (b) e from non-sterile drug compor	shed products Bethametha Susp, all of which are made ( <sup>(D)(4)</sup> ) of the (b) (4) cents.	e from non-sterile drug comp	onents.
<ul> <li>(a.) The firm has r used to (b) (4) mg/mL, Trian</li> <li>(b.) The firm has r products made</li> <li>OBSERVATION</li> <li>Protective apparel</li> <li>We observed that t not cover all skin a The bairnets, beard</li> </ul>	not conducted equipment qualif sterilize the following fini- ncinolone Acet 60 mg/mL Inj S not performed (b) from non-sterile drug compor	shed products Bethametha Susp, all of which are made (0)(4) of the (b) (4) tents. tect drug products from co who were producing inject te eyes, and on the necks o sable lab coats that were w	e from non-sterile drug comp used to (b) all inju- entamination. able drug products in the ISO f the workers. Hoods and go orn were non-sterile items.	onents. ectable solution drug 
<ul> <li>(a.) The firm has r used to (b) (4) mg/mL, Trian</li> <li>(b.) The firm has r products made</li> <li>OBSERVATION</li> <li>Protective apparel</li> <li>We observed that t not cover all skin a The bairnets, beard</li> </ul>	tot conducted equipment qualified sterilize the following finite incinolone Acet 60 mg/mL Inj Sterilize from non-sterile drug composes from non-sterile drug composes and the second statement of the	shed products Bethametha Susp, all of which are made (0)(4) of the (b) (4) tents. tect drug products from co who were producing inject te eyes, and on the necks o sable lab coats that were w	e from non-sterile drug comp used to (b) all inju- entamination. able drug products in the ISO f the workers. Hoods and go orn were non-sterile items.	onents. ectable solution drug 
<ul> <li>(a.) The firm has r used to (b) (4) mg/mL, Trian</li> <li>(b.) The firm has r products made</li> <li>OBSERVATION</li> <li>Protective apparel</li> <li>We observed that t not cover all skin a The bairnets, beard gowned as describe</li> <li>OBSERVATION</li> </ul>	tot conducted equipment qualified sterilize the following finite incinolone Acet 60 mg/mL Inj Sterilize from non-sterile drug composes from non-sterile drug composes and the second statement of the	shed products Bethametha Susp, all of which are made (b) (4) f the (b) (4) aents. tect drug products from co who were producing inject te eyes, and on the necks o sable lab coats that were w are P&P No. 7.040, "Gown	e from non-sterile drug comp used to (b) all inju- entamination. able drug products in the ISO f the workers. Hoods and go form were non-sterile items. ing."	onents. ectable solution drug D-7 cleanroom did oggles were not used. The workers were
<ul> <li>(a.) The firm has r used to (b) (4) mg/mL, Trian</li> <li>(b.) The firm has r products made</li> <li>OBSERVATION</li> <li>Protective apparel</li> <li>We observed that t not cover all skin a The bairnets, beard gowned as described</li> <li>OBSERVATION</li> <li>Procedures designed</li> <li>The firm's media-fi produce injectable</li> </ul>	tot conducted equipment qualif sterifize the following finit- ncinolone Acet 60 mg/mL Inj S not performed (b) from non-sterile drug compose from non-sterile drug compose is not worn as necessary to pro- the apparel worn by personnel w reas on the forehead, around the covers, face masks, and dispo- ed in the firm's written procedu	shed products Bethametha Susp, all of which are made (0)(4) of the (b) (4) tents. tect drug products from co who were producing inject te eyes, and on the necks o sable lab coats that were w are P&P No. 7.040, "Gown ontamination of drug prod simulate the aseptic proce	e from non-sterile drug comp used to (b) all inju- entamination. able drug products in the ISO f the workers. Hoods and go forn were non-sterile items. ing."	onents. ectable solution drug D-7 cleanroom did oggles were not used. The workers were are not established. y the operators to are for CSP Sterilized
<ul> <li>(a.) The firm has r used to (b) (4) mg/mL, Trian</li> <li>(b.) The firm has r products made</li> <li>OBSERVATION</li> <li>Protective apparel</li> <li>We observed that t not cover all skin a The bairnets, beard gowned as described</li> <li>OBSERVATION</li> <li>Procedures designed</li> <li>The firm's media-fi produce injectable</li> </ul>	tot conducted equipment qualif sterilize the following finit- ncinolone Acet 60 mg/mL Inj S not performed (b) from non-sterile drug compose 2 is not worn as necessary to pro- the apparel worn by personnel w reas on the forehead, around the loovers, face masks, and dispo- ed in the firm's written procedu 3 ed to prevent microbiological co- fill process does not adequately drug products. Specifically, the	shed products Bethametha Susp, all of which are made (0)(4) of the (b) (4) tents. tect drug products from co who were producing inject te eyes, and on the necks o sable lab coats that were w are P&P No. 7.040, "Gown ontamination of drug prod simulate the aseptic proce te firm's media fill procedu	e from non-sterile drug comp used to (b) all inju- entamination. able drug products in the ISO f the workers. Hoods and go forn were non-sterile items. ing." ucts purporting to be sterile a ssing steps which are used b are, "Media-Fill Test Procedu	D-7 cleanroom did oggles were not used. The workers were are not established. y the operators to

	DEPARTMENT OF HEA	LTH AND HUMAN C	FRVICES	
DISTRICT ADDRESS AND PHO	FOOD AND DRI	UG ADMINISTRATION		
404 BNA Dr., Nashville, T	DNE MINHER Bldg. 200, Ste. 500 'N 37217-2597 101 Fax:(615) 366-7802		DATE(5) OF INSPECTION 03/18/2013 - 03/22 FETALMORER	/2013
	DI FAX: (015) 500-7802 DIRATION: WWW.fda.gov/oc/indu	istry	3001298034	
TO: Larry D	. Stephens, Chief Operating (	Officer		
Medaus, Inc.		6801 Cahaba	Valley Rd Ste 116	
Birmingham, J		TYPE ESTABLISHMENT INS	f sterile drug products	
to then open the bo fill pre-sterilized v	. However, the process which is a rile drug solutions(b) (4) ttles multiple times, making multiple entri ials using a commercial pump/filling mach o the bulk drug solution.)	es into the bulk dru	into sterile (b) (4) ag solutions using sterile tubi	bottles
OBSERVATION				
	areas are deficient regarding the system for	or monitoring envir	onmental conditions.	
Specifically:			×	
environmental mor	ironmental monitoring program does not a litoring for viable and non-viable airborne oder static conditions; however, njectable drug products via aseptic process	particulates and fo is not an adequate	r surface bioburden, is perfor	med at (b) (4)
at (b)(4)	ironmental monitoring program does not a mental monitoring for viable and non-viab vals under static conditions; however, production of injectable drug products via	ble airborne particu ( <sup>(b) (4)</sup> is not an ad	lates and for surface bioburd equate frequency of environs	en, is performed
(c.) The firm's glov glove bioburden lev intervals; however, drug products via a		i ne giove ningerup	monitoring is performed at	NOTE ALL ALL ALL ALL ALL ALL ALL ALL ALL AL
( <b>4</b> )				
OBSERVATION Aseptic processing positive pressure.	5 areas are deficient regarding air supply that	at is filtered throug	h high-efficiency particulate	air filters under
Specifically:		0		
(a.) No monitoring anteroom/gowning	is performed of the air pressure differentia room. No gauges for measuring room air of potential air-pressure differential deviati	pressures are prese	7 cleanroom and the adjacen nt in the facility. There are r	t ISO-8 10 alarms for
SEE REVERSE OF THIS PAGE	Bruce H. McCullough, Investi Meisha R. Waters, Investigat		À.	OATE ISSUED

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CISTRICT ADDRESS AND PHONE M ANDER		DATE(S) OF INSPECTION	<b></b>
404 BNA Dr., Bldg. 200, Ste. 500		03/18/2013 - 03/22/	2013
Nashville, TN 37217-2597	2	FEI NUMBER	
(615) 366-7801 Fax: (615) 366-7802		3001298034	
Industry Information: www.fda.gov/	oc/industry		
TO: Larry D. Stephens, Chief Open			
FIRM NAME	STREET ADDRESS		
Medans Toc	6801 Cabab	a Valley Rd Ste 116	
Medaus, Inc.	TYPE ESTABLISHMENT	ADA VALLEY NA DEE 110	
Birmingham, AL 35242-9609	Producer o	f sterile drug produc	ts
(b.) No smoke studies have been performed to ver used for the production of injectable drug products		ditions exist inside the ISO-5 h	ods, which are
EMPLOYEE (6) SKINATUKE	<u> </u>	Hen-	DATEISSUED
Bruce H. McCullough,	Investigator 📿	D Benly	
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PREVIOUS EDITION OBSCLETE	INSPECTIONAL OBSERVATIONS

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A04 BNA Dr., Bldg. 200, Ste. 500 Nashville, TN 37217-2597 (615) 366-7801 Fax:(615) 366-7802 Industry Information: www.fda.gov/oc/industry		03/18/2013 - 03/22/2013 FEINLARER 3001298034		
TO: Larry D.	Stephens, Chief Operating (	Officer		
PERMINAME Medaus, Inc. CITY, STATE, 2P CODE, COUNTR		6801 Cahaba	Valley Rd Ste 116	
Birmingham, Al		Producer of	sterile drug produc	sts
OBSERVATION 6         Drug products are not stored under appropriate conditions of temperature and light so that their identity, strength, quality, and purity are not affected.         Specifically, on 03/18/2013, the lots of bulk in-process injectable drug product identified below stored in [5)(4) drug containers, containing drug components, were observed to be stored on the counter top inside the ISO 7 room at ambient room temperature and/or without light resistant protection. Management explained it is a normal practice for these [5] (4) containers to be placed on the counter         Products labeled "Refrigerate" and "Protect from Light" stored in [5](4) containers includes:         1. Methyl B12 100 mg/mL Lot 1302122-35 BUD 8/11/13         2. Lipo-Injection w/ Lidocaine Lot 130315-08 BUD 9/11/13         3. Lipo #4 w/ Cyano B12 1 mg/mL Lot 1301157-67 BUD 07/14/13         4. B-Complex 100 (PE) Lot 130228-40 BUD 5/29/2013         5. Magnesium Chl 200 mg/mL Lot 130307-60 BUD 09/03/13         6. Calcium Sodium EDT A 300mg/mL Lot 130306-50 BUD 09/02/13         9. Calcium Chl 10% (PE) Lot 130308-34 BUD 09/04/13         10. Methyl B12 1000 MCG Lot 130228-26 BUD 8/27/13         11. Hydroxy B12 1000 MCG Lot 13028-26 BUD 8/27/13         12. Micro Complex Lot 13028-26 BUD 8/27/13         13. Methyl B12 1000 MCG Lot 13028-26 BUD 8/27/13         14. (3-100 mL vials) Testosterone Cyp 200 mg/mL Lot 130316-38 BUD 9/11/13         15. Sweet-MCBFIT Allen Lot 130129-35 BUD 07/28/13         14. (3-100 mL vials) Testosterone Cyp 200 mg/mL Lot 130315-8 BUD 9/11/13 </th				
1. Methyl B12 25	rotect from Light" stored in (b) (4) mg Lot 130227-17 BUD 08/26/13 ng/mL Lot 130301-19 BUD 9/28/13	tainers includes:		
SEE REVERSE OF THIS PAGE	Bruce H. McCullough, Invest Meisha R. Waters, Investiga	igator for	Roft	03/22/2013
FORM FDA 483 (99/08)	PREVIOUS EDITION OBSCLETE INSP	ECTIONAL OBSERV	ATIONS	PAGE 4 OF 6 PAGES

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404 BNA Dr., Bldg. 200, Ste. 500	03/18/2013 - 03/22/2013	
Nashville, TN 37217-2597	FEI NUMBER	
(615) 366-7801 Fax:(615) 366-7802	3001298034	
Industry Information: www.fda.gov/oc/indu	istry	
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED		
TO: Larry D. Stephens, Chief Operating C	Officer	
FIRM NAME	STREET ADDRESS	
Medaus, Inc.	6801 Cahaba Valley Rd Ste 116	
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INSPECTED	
Birmingham, AL 35242-9609	Producer of sterile drug products	

# **OBSERVATION 7**

Time limits are not established when appropriate for the completion of each production phase to assure the quality of the drug product.

Specifically, the firm does not have any hold time data to support the completion of each production phase for any of your injectable drug products (when not being held under refrigerated or light resistant conditions) including but not limited to preparation of the original batch of product (b) (4) , and multiple transfers of the product into unit does vials from (b) containers, to assure the quality of all injectable drug products at your firm.

### **OBSERVATION 8**

Each batch of drug product purporting to be sterile is not laboratory tested to determine conformance to such requirements.

Specifically, sterility testing is performed on each original large batch of all injectable drug solutions made from non-sterile components after being transferred into (b) containers. However, sterility testing is not performed on any batches of drug product filled from those(b), containers after it has been reopened and exposed to the ISO 5 environment for filling of unit dose vials.

### **OBSERVATION 9**

Testing and release of drug product for distribution do not include appropriate laboratory determination of satisfactory conformance to the final specifications and identity and strength of each active ingredient prior to release.

Specifically, Dexamethasone 8mg/mL Lot 130118-11 (Beyond Use Date: July 17, 2013) was released for dispensing on 01/18/2013, but sterility testing results were not received until 02/06/2013. Dexamethasone 8mg/mL Lot 120927-7 (Beyond Use Date: March 26, 2013) was released for dispensing on 09/27/2012, but sterility testing results were not received until date 10/15/2012. Both lots were recalled after (b) (4) sterilization biological indicator testing failed prior to the receipt of sterility results.

### **OBSERVATION 10**

An adequate number of batches of each drug product are not tested to determine an appropriate expiration date.

Specifically, the firm has not conducted stability testing nor has data to support any expiration dates (beyond use dates) for any injectable drug products produced. For example, there is no data to support the use of 6 month beyond use dates for Lipo Injection, Cyano B12, or Lipo w/ Methyl B12 w/ Preservative.

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404 BNA Dr., Bldg. 200, Ste. 500	03/18/2013 - 03/22/2013
Nashville, TN 37217-2597	PEI NUMBER
(615) 366-7801 Fax: (615) 366-7802	3001298034
Industry Information: www.fda.gov/oc/indu	stry
NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT ISSUED	
TO: Larry D. Stephens, Chief Operating C	Officer
FIRM NAME	STREET ADDRESS
Medaus, Inc.	6801 Cahaba Valley Rd Ste 116
CITY, STATE, ZIP CODE, COUNTRY	TYPE ESTABLISHMENT INCRECTED
Birmingham, AL 35242-9609	Producer of sterile drug products
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## **OBSERVATION 11**

Laboratory controls do not include determination of conformance to appropriate written specifications for the acceptance of each lot within each shipment of components, drug product containers, closures, and drug products used in the manufacture, processing, packing, or holding of drug products.

Specifically, the firm does not have any written specifications for the acceptance of each lot within each shipment of components, drug product containers, closures, drug products used in the manufacture, processing, packing, or holding of drug products. The firm does not perform supplier qualification to verify certificates of analysis for any drug components, drug product containers, closures, drug products used in the production, processing, packing, or holding all drug products at your firm.

#### **OBSERVATION 12**

Aseptic processing areas are deficient regarding the system for cleaning and disinfecting the room and equipment to produce aseptic conditions.

Specifically, on 3/18/13, an operator producing injectable drug products in an ISO-5 hood was observed to move materials from the ISO-7 cleanroom zone into the ISO-5 zone without disinfecting the exterior surfaces of the materials before moving them into the ISO-5 zone. The materials moved into the ISO-5 area without disinfection were: a container of bulk drug solution, a package holding sterile tubing, and empty, pre-sterilized, stoppered vials.

	ENPLOYEE STRUCTURE Bruce H. McCullough, Investigator Bruce H. McCullough, Investigator Callel up H	DATE ISSUED
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