	EALTH AND HUMAN SERVIC DRUG ADMINISTRATION	ES	
DISTRICT OFFICE ADDRESS AND PHONE NUMBER		DATE(S) OF INSPECTION	
Derek Smith, Ph.D., Division Director, U.S. Food & Drug Adm CDER/OPQ/OPF/DIA, 10903 New Hampshire Avenue, Buildin		February 7-8, 11-15,	2019
Silver Spring, Maryland 20903	C. T. C.	FEI NUMBER	
Derek.Smith@fda.hhs.gov 240-402-9091		3003981475	
Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED			
To: Srinivasan Raman, Senior Vice President & Global Head -	- Drug Product Operations		
FIRM NAME	STREET ADDRESS		
Biocon Limited	Plot No. 2, 3, 4, & 5,	Bommasandre Jigani Li	ink Road
CITY, STATE AND ZIP CODE		TYPE OF ESTABLISHMENT INSPECTED	
Bangalore 560 099 India	Drug Product Manufa	acturer	
THIS DOCUMENT LISTS OBSERVATIONS MADE BY THE FDA REPRESENT. OBSERVATIONS; AND DO NOT REPRESENT A FINAL AGENCY DETERMINAT OBSERVATION, OR HAVE IMPLEMENTED, OR PLAN TO IMPLEMENT COROBJECTION OR ACTION WITH THE FDA REPRESENTATIVE(S) DURING THE YOU HAVE ANY QUESTIONS, PLEASE CONTACT FDA AT THE PHONE NUMBE DURING AN INSPECTION OF YOUR FIRM (I) (WE) OBSERVED:	TION REGARDING YOUR COMPLI RRECTIVE ACTION IN RESPONS INSPECTION OR SUBMIT THIS	IANCE. IF YOU HAVE AN OB ISE TO AN OBSERVATION,	BJECTION REGARDING AN YOU MAY DISCUSS THE
OBSERVATION 1:			
Procedures designed to prevent microbiological contain			
established, written, adequately validated and/or follow			
appropriate written procedures designed to prevent mi			
the Grade A/B areas of your (b) Manufacturing Drug I		following are obser	vations from the
Fill Line operations on February 8, 11, and 14, 201	19.		
a) Operators do not perform inspection of the RABS <sup>(b)</sup> and Cleaning of <sup>(b) (4)</sup> Testing Machine – <sup>(b) (4)</sup> Fill Fin 2019, p. 6 of 17, Section 6.1.iii., states "After fixing the end of filling, visually inspect the <sup>(b) (4)</sup> for any obvious rips or integrity breaches or an Processing Area and Periodic Review," SOP BF/FM/S Section 6.7(k), states " <sup>(b) (4)</sup> should be visually it end of setup and after completion of the filling activity post-use when used thoughout fill operations.	throughout the (b) (4) to (b) (4) throughout the (b) (4) throughout th	ptic Behaviors in the ve date October 15, ous rips or integrity are not che	ve date January 8, assembling and at between the e Aseptic 2018, p.5 of 13, breeches at the ecked pre-use and
b) An Operator in the Grade C area outside the Grade c sanitize the RABS (b) (4) after an open-(b) (4) operation. Processing Area and Periodic Review," SOP BF/FM/S Section 6.7(e), states "The filling machine shall be san 'Handling of Aseptic Interventions (Vial – Liquid/(b) (4) date December 12, 2018, p. 3 of 73, Section 6.1(h), stanterventions Wipe the inner surface of the (b) (4) using lint free cloth or sterile pre—wetted wipes."	Your written procedur SOP/180, v. 07, effectivatized after each open of his points, SO (10) (10) (10) (10) (10) (10) (10) (10)	res "Aseptic Behavion ve date October 15, 2 (b) (4) operation during PBF/FM/SOP/194, t any open (b) (4)	2018, p.5 of 13, ng set up," and
ising the receion of sterile pre-metted repes.			
EMPLOYEE(S) SIGNATURE	EMPLOYEE(S) NAME AND TITLE	E (Print or Type)	DATE ISSUED
SEE REVERSE OF THIS PAGE  THIS PAGE  THE PAGE	Michael R. Shanks, IDS Biol Diane Raccasi, Microbiologi		02/15/2019

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behavior during assembling of filling machine/machine set up" does not provide instructions to prevent activities that could increase the introduction of contaminates into the Class 100 (ISO 5) when transferring large equipment from the lower (b)(4) shelf of the (b)(4) laminar air flow (LAF) (b)(4) Notably, on February 8, 2019 an employee in the Grade A/B was observed squatting down to retrieve an (b)(4) wrapped dosing vessel from the bottom shelf of the (b)(4) LAF (b)(4) and then placing the vessel into the open RABS. Additionally, Operators use clean room tables that have a top surface at knee height when performing operations, rather than surfaces at or above their (wast), during operations in Grade B areas.  (d) Your written procedure "Microbiological Monitoring of Controlled Environment for (b) Fill Finish," SOP BF/QC/SOP/148, V. 04, effective date February 6, 2019, is inadequate for environmental sampling. For example, an employee was observed squatting down to retrieve an (b)(4) dosing vessel from the bottom shelf of the (b)(4) and then placing the (b)(4) wrapped vessel into the open RABS. After the dosing vessel was installed, assembly included removal of the aseptic covers from the vessel exit port and manifold bracket in the same location were the (b)(4) wrapped vessel was placed in the RABS. There is no environmental testing at the location where the dosing vessel is placed into the RABS or during the open aseptic connection between the vessel and the manifold.				
e) Your written procedure "Approach for Aseptic Process Simulation," SOP BF/QA/SOP/002, V. 12, effective date June 30, 2018, is inadequate. For example, after media fill completion the units are transferred to the visual inspection facility after which all integral units are transferred to Quality Control Microbiology for incubation. The procedure states in Section 6.19 that the time gap between end of sealing and commencement of incubation should not be more than (b) (4) ; however, during the $\leq$ (b) (4) timeline there is no temperature criteria or secure location to store the units in the visual inspection facility.				
f) The Visual Inspection of Vials, (b) (4)  SOP is inadequate. For example, section 6.3 entitled Procedure for Manual Inspection does not provide adequate instructions on rejected vial tracking. Notably on February 12, 2018 an employee was observed removing a rejected vial from a vial (b) (4) placing it into a plastic bag and then into a small metal compartment under the viewing inspection table. The vial (b) (4) was then removed, and further processed for reconciliation. The rejected vial was placed in the bag with no (b) (4) or visual inspector				
REVERSE Kneholk Saul	EMPLOYEE(S) NAME AND TITLE (Print or Type) Michael R. Shanks, IDS Biologist Diane Raccasi, Microbiologist	02/15/2019		
FORM FDA 483 (9/08) PREVIOUS EDITION OBSOLETE IN	SPECTIONAL OBSERVATIONS	Page 2 of 5		

## DEPARTMENT OF HEALTH AND HUMAN SERVICES FOOD AND DRUG ADMINISTRATION DISTRICT OFFICE ADDRESS AND PHONE NUMBER DATE(S) OF INSPECTION Derek Smith, Ph.D., Division Director, U.S. Food & Drug Administration February 7-8, 11-15, 2019 CDER/OPQ/OPF/DIA, 10903 New Hampshire Avenue, Building 51, Rm. 3171 Silver Spring, Maryland 20903 FEI NUMBER Derek.Smith@fda.hhs.gov 240-402-9091 3003981475 Industry Information: www.fda.gov/oc/industry NAME AND TITLE OF INDIVIDUAL TO WHOM REPORT IS ISSUED TO: Srinivasan Raman, Senior Vice President & Global Head - Drug Product Operations FIRM NAME Plot No. 2, 3, 4, & 5, Bommasandre Jigani Link Road Biocon Limited CITY, STATE AND ZIP CODE TYPE OF ESTABLISHMENT INSPECTED Bangalore 560 099 India Drug Product Manufacturer identification. The (b) (4) supervisor stated the visual inspection employee was supposed to raise, her hand to signal a rejected vial was recovered so he could document the vial (b) (4) and her identification on the bench sheet. When the employee opened her drawer to show the supervisor the rejected vial I noted several vials in the drawer without proper documentation on the supervisor's bench sheet. The Visual Inspection SOP states that rejected units should be kept separately in a plastic pouch with proper status label but does not describe adequate tracking criteria. g) Sterile forceps stored in their RABS holders only allow for 2-3 inches of their sterile end to be accessible for handling when using the RABS(b) (4) h) Operators place the sterile (b) (4) face down so that the dispensing nozzle is in direct contact with work surfaces in Grade B area. **OBSERVATION 2:** Written records of investigations into unexplained discrepancies do not always include an adequate conclusion and follow-up. For example, environmental monitoring excursion investigations and corrective actions over several months lacked effective CAPAs. Summary Report for Trends for Environmental Monitoring Trend Review for Viable Environmental Monitoring Data of (b) Fill Finish Facility for the Month of October included microbial recovery at location (b) (4) The probably root cause and impact assessment stated that the microbiologist conducted swab testing by sitting inside the LAF and that the presence of the analyst under the LAF might increase chances of recovery. The Corrective Action included: No swab testing under the LAF and analysis shall be performed in a Biosafety cabinet • The design of the LAF used for testing would be re looked at Training shall be provided concerning aseptic practices The recovery of Micrococcus lutius (1 CFU/plate) on the (b) (4) was not considered a Significant Excursion. Summary Report for Trends for Environmental Monitoring Trend Review for Viable Environmental Monitoring Data of [6] Fill Finish Facility for the Month of November included but not limited to the following Grade A EMPLOYEE(S) SIGNATURE EMPLOYEE(S) NAME AND TITLE (Print or Type) DATE ISSUED Michael R. Shanks, IDS Biologist REVERSE OF THIS Diane Raccasi, Microbiologist 02/15/2019

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microbial recoveries;

• (b) (4) Near (b) (4) , (8 CFU/plate) • (b) (4) Near (b) (4) , (1 CFU/plate)

(2 CFU/plate) (b) (4) (1 CFU/plate)

The root cause investigation included:

- The microbiologist conducted swab testing by sitting inside the LAF and that the presence of the analyst under the LAF might increase chances of recovery
- Air sampling (b) (4) transfer and handling error
- · Sampling error

Corrective Action included:

- No swab testing under the LAF and analysis shall be performed in a Biosafety cabinet
- The design of the LAF used for testing would be re looked at
- · Training shall be provided concerning aseptic practices
- Dedicated (b) (4) per area
- (b) (4) imprinted with identification
- Initiate a change control to sterilize (b) (4) with the production load

It is noted that 25 excursions were identified in November 2018 in the Grade A vial Filling line.

Summary Report for Trends for Environmental Monitoring Trend Review for Viable Environmental Monitoring Data of [6] Fill Finish Facility for the Month of December included but not limited to the following Grade A microbial recoveries;

Near (b) (4) Near (b) (4) (1 CFU/plate)
Near (b) (4) Near (b) (4) (18 CFU/plate)

The root cause investigation included:

- A potential broken lid on the (b) (4) sample plate and improper air sample(b) (4) handling
- · Potential that transport bins were contaminated

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