

Site Quality Self-Assessment

based on

Rx-360 Supplier Assessment Questionnaire

Module 2, Site Specific Information

Relevant for

Sigma Aldrich Research Biochemicals Inc. (Sigma RBI)

600 Summit Drive, Burlington MA, 01803, USA
An affiliate of Merck KGaA, Darmstadt, Germany

The site self-assessment covers our quality management system for the following regulated applications:
-Design, development, manufacturing, contract manufacturing of reagents, raw materials, components and kits



Merck KGaA, Darmstadt, Germany is an active member of the Rx 360 Consortium

As a trusted partner of our customers, we deliver quality - always.

Merck KGaA, Darmstadt, Germany Corporation with General Partners Frankfurter Str. 250 64293 Darmstadt, Germany Phone +49 6151 72-0 Sigma-Aldrich Corporation A subsidiary of Merck KGaA, Darmstadt, Germany 3050 Spruce Street St. Louis, MO 63103, USA Phone +1 (800) 521-8956 / +1 (314) 771-5765

EMD Millipore Corporation A subsidiary of Merck KGaA, Darmstadt, Germany 400 Summit Drive Burlington, MA 01803, USA Phone +1 (781) 533-6000



Information

This document is based on the Rx-360 Consortium's Supplier Assessment Questionnaire template, Module 2. The contents of this questionnaire are built on the Rx-360 questionnaire version 2.0 intact with no question added or deleted.

Rx-360's CEO/COO gave permission to Life Science to use the Rx-360 logo.



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Rx-360 Supplier Assessment Questionnaire : Site-Specific Information

Please check here if additional documents are attached.

SECTION 1. General Site Information			
1.1	Site or Facility-Specific Name: Sigma-Aldrich Research Biochemicals, Inc. (Simga-RBI) is the legal entity.		
	Internally known as referred to as MilliporeSigma Burlington Bioactive Small Molecule (BBSM)		
1.2	Address: 600 Summit Drive, Burlington, MA 01803 USA		
	Mailing address: 400 Summit Drive, Burlington, MA 01803 USA		
	GPS Coordinates: 42° 28' 34.392" N 71° 12' 56.484" W		
1.3	Phone: Please contact your local sales representative		
1.4	Email: Please contact your local sales representative		
1.5	Fax: Please contact your local sales representative		
1.6	Website: https://www.sigmaaldrich.com/US/		

	SECTION 2. General Site Operating Information
2.1	What year did the site start operating? Formerly located in Natick, MA since April 1984; moved from Natick to Burlington, MA in October 2018
2.2	What is the primary activity of the site? (e.g. manufacturing, distribution, etc.) • Small scale organic synthesis, procurement and quality control of bioactive small molecules • Manufacture of 1-10 grams scale, 1-10 synthetic steps (average three), final products at >98% purity; • Products offered for "Research Use Only" (RUO) not for human use.
2.3	To which, if any, subdivision of the parent company does the site belong? Life Science is a business of Merck KGaA, Darmstadt, Germany
2.4	Size of site (in sq. ft. or m.): 12,000 sq feet (labs, first floor), 6250 sq feet (3rd floor, cubicle areas
2.5	Please list or attach the normal hours/schedule of the facilities, including shutdown dates (if applicable): M-F, 8am-5pm
2.6	Total number of employees on site: 40
2.7	Total number of employees in Quality: 9
2.8	Total number of employees in Manufacturing: 16
2.9	What quality management system is utilized on site? ☐ ISO 9001 ☐ ISO 13485 ☐ 21 CFR Part 210/211 ☐ 21 CFR Part 820 ☐ European GMP, Eudralex Volume 4 Part I ☐ European GMP, Eudralex Volume 4 Part II ☐ ICH Q7 ☐ HACCP ☐ ISO 22000 ☐ Other

	SECTION 2. General Site Operating Information
	Please describe:
	Which Regulatory Initiatives does the site follow/comply with? REACH RoHs Ca Prop. 65 WEEE
2.10	Does the company/site
2.11	Is the site registered with any government regulatory agency (FDA registration, GMP certification, etc.)? Yes No N/A If yes, please specify. US Drug Enforcement Agency (DEA)
2.12	By whom is the site inspected (regulatory or third party) and list inspections within the last three years: US Drug Enforcement Agency (DEA) - federal/state, annually Massachusetts Water Resources Authority - state / annually Burlington Board of Health - local/ annually
2.13	How often, as an annual average, is the site audited by customers or third parties? No audits by customers
2.14	Has an Rx-360 audit been performed at this site? Yes No Please also state the date of the audit if applicable. http://rx-360.org/audit-programs/
2.15	Are you willing to have Rx-360 conduct an audit on behalf of your customers according to the Rx-360 audit programs on your site? Yes No
2.16	Are you willing to have your customers conduct audits on your site? Yes No
2.17	Please list regulatory sanctions impacting the site within the last five years (i.e. warning letters, CEP suspension, import alerts, etc.):
2.18	Does the site outsource any quality-related activity?
	⊠ Yes □ No □ N/A

SECTION 2. General Site Operating Information							
	If answering yes, please specify the	activities:					
	Elemental Analysis Testing						
2.19	Please check the supplier controls in	place for this	s facility:				
2.19a	Quality Agreements with Suppliers	Yes Yes	☐ No	□ N/A			
2.19b	Subcontractor Qualification/Audit Program	Yes Yes	☐ No	□ N/A			
2.19c	Periodic Review of Supplier Performance	Yes Yes	☐ No	□ N/A			
2.19d	Supplier Feedback Program	⊠ Yes	☐ No	□ N/A			
2.19e	Approved Material Supplier List	⊠ Yes	☐ No	□ N/A			
2.19f	Approved Service Supplier List	X Yes	☐ No	□ N/A			
Addit	Additional comments:						

SECTION 3. Objectionable Materials on Site							
3.1	Does the site or production plant produce, process or store any of the following:	Yes	No	Not Applicable			
3.1a	Beta-Lactam Antibiotics						
3.1b	Steroids and/or hormones	\boxtimes					
3.1c	High potency compounds						
3.1d	Materials of animal origin/Biologics						
3.1e	Live virus or micro-organism						
3.1f	Allergens						
3.1g	Genetically Modified Organisms (GMO)		\boxtimes				
3.1h	Agrochemicals (Pesticides, Herbicides, Fungicides, etc.)		\boxtimes				
3.1i	Other (Please specify):						

SECTION 4. Cross Contamination Control							
4.1	Are any of the following cross-contamination controls in place?	Yes	No	Not Applicable			
4.1a	Dedicated Facilities		\boxtimes				
4.1b	Access Controls						
4.1c	Dedicated Personnel		\boxtimes				
4.1d	Dedicated Gowning		\boxtimes				
4.1e	Procedural Controls						
4.1f	Other (please specify):						
Add	itional Comments:	·		·			

	SECTION 5. Site Operating P	olicies		
5.1	Does the site utilize the following written polici	es, prog	rams, or p	procedures?
Site Spec	ifie:	Yes	No	Not Applicable
5.1a	Environmental, Health, and Safety			
5.1b	Facility Environmental Control Policy			
5.1c	General Facility Cleaning Procedures			
5.1d	Hygiene and Sterilization Procedures			
5.1e	Validated Equipment Cleaning Procedures			
5.1f	Preventative Maintenance Program/Procedures			
5.1g	Pest Control Program			
5.1h	Master Production Procedure			
Quality:				
5.1i	Quality Control/Quality Management Policy			
5.1j	Quality Manual			
5.1k	Periodic Product Quality Review			
5.11	Master Validation Plan			
5.1m	Risk Assessment Program			
5.1n	Supplier Approval Procedure			
5.1o	Monitoring and Review of Approved Suppliers			
5.1p	Mechanism to Reduce Testing			
5.1q	Receiving Incoming Inspection			
5.1r	Change Control Procedures			
5.1s	Document Management Policy			
5.1t	Document Retention Policy			
5.1u	Change Notification Procedures for Clients			
5.1v	Control of Nonconforming Material			
5.1w	Deviation/Investigation Procedure			
5.1x	Out of Specification Policy and Procedure			

5.1y	Sampling Procedure/Sampling Plan	\boxtimes			
5.1z	Raw Material Retention Program	\boxtimes			
5.1aa	CAPA Procedure	\boxtimes			
5.1bb	Label Control and Accountability	\boxtimes			
5.1cc	Product Release Procedure	\boxtimes			
5.1dd	Employee Training Program	\boxtimes			
5.1ee	Stability, Expiration, and Shelf-Life Program			\boxtimes	
5.1ff	Product Retention Program	\boxtimes			
5.1gg	Recall Procedure	\boxtimes			
5.1hh	Customer Complaint Handling	\boxtimes			
5.1ii	Equipment validation/qualification procedure	\boxtimes			
SECTION 5. Site Operating Policies					
		Yes	No	Not Applicable	
5.1jj	Internal audit/self-inspection program procedure	Yes	No		
5.1jj 5.1kk			No		
	procedure		No		
5.1kk 5.1ll	procedure Site Security/Site Access Control Policies		No		
5.1kk 5.1ll	procedure Site Security/Site Access Control Policies New Hire Program/Induction Program		No		
5.1kk 5.1ll Business (procedure Site Security/Site Access Control Policies New Hire Program/Induction Program Continuity/Contingency Plan:		No		
5.1kk 5.1ll Business (5.1mm	procedure Site Security/Site Access Control Policies New Hire Program/Induction Program Continuity/Contingency Plan: Disaster Recovery Plan		No		
5.1kk 5.1ll Business (5.1mm 5.1nn	procedure Site Security/Site Access Control Policies New Hire Program/Induction Program Continuity/Contingency Plan: Disaster Recovery Plan Pandemic Preparedness Plan		No		
5.1kk 5.1ll Business (5.1mm 5.1nn 5.1oo	procedure Site Security/Site Access Control Policies New Hire Program/Induction Program Continuity/Contingency Plan: Disaster Recovery Plan Pandemic Preparedness Plan Supply Chain Emergency Preparedness Plan	DR provide	a short o	Applicable	

	SECTION 6. Quality Assurance and Production				
		Yes	No	Not Applicable	
6.1	Does the site have an independent and defined Quality Assurance/Quality Management Division?				
6.2	Does QA/QM have authority over the following:				
6.2a	Policies and procedures?	\boxtimes			
6.2b	Review of documentation for release?	\boxtimes			
6.2c	Release or rejection of incoming materials?	\boxtimes			
6.3	Does QA/QM investigate and resolve quality complaints?	\boxtimes			
6.4	Does QA/QM investigate and resolve internal deviations?	\boxtimes			
6.5	Does the QA/QM have the authority to assign a disposition to materials?				

SECTION 6. Quality Assurance and Production					
		Yes	No	Not Applicable	
6.6	Does the QA/QM review manufacturing and testing records prior to release?				
6.7	Does the facility utilize computerized systems for managing GxP activities or data?				
6.8	Are relevant computerized systems 21 CFR part 11 and EU GMP annex 11 compliant?				
6.9	Does the site use statistical methods for consistency and uniformity?				
6.10	Does the site use controlled documents for following and recording manufacturing instructions?				
6.11	Does the company qualify and/or validate manufacturing procedures?				
6.12	Is any environmental monitoring conducted in production/finishing areas?				
6.13	Does the site supply BSE/TSE declarations?				
6.14	Does the site supply a declaration of Elemental Impurities?			Ħ	
6.15	Are ICH Q3C solvents used in the manufacturing process of supplied materials?				
6.15a	If Yes, what class of solvent is used?				
6.16	Are stability studies carried out according to ICH guidance?				
6.17	Are solvents and mother liquor reused/recycled?			\boxtimes	
6.18	Does the site have a process water treatment system?		\boxtimes		
6.18a	Please check all that apply to the system: City/potable water Distilled water Dionized water Water for injection (WFI) Reverse Osmosis Clean steam Ultra-filtrated water (purified water) Other:				
6.19	Does the plant have a batch/lot system?		Щ	<u> </u>	
6.19a	Is the system traceable?				
6.19b	Is it unique?				
6.19c	Is batch/lot manufacturing continuous?		<u> </u>		
6.19d	Is manufacturing batch by batch?				
6.20	Does the site perform on-plant audits prior to approving critical GxP suppliers?			\boxtimes	

6.22	Does the site audit critical GxP suppliers after initial approval? Does the site inspect incoming materials?	Yes	No	Not Applicable
6.22	approval?			
	Does the site inspect incoming materials?			\bowtie
6.23	Does the site hispect medining materials:	\boxtimes		
	Does the site test incoming materials to defined specifications?			
	Does the site establish purchase specifications for raw materials?			
6.25	Is the equipment multi-use?	\boxtimes		
6.26	Does the site qualify equipment installation?	\boxtimes		
6.27	Does the site qualify equipment operation?	\boxtimes		
6.28	Does the site qualify equipment performance?	\boxtimes		
6.29	Are production critical use instruments calibrated regularly?	\boxtimes		
6.30	Is rework allowed?	\boxtimes		
6.31	Is reprocessing allowed?	\boxtimes		
	Are manufacturing and packaging activities traceable to the equipment, areas, and materials used?			
	Are production materials handled and stored in a manner to prevent degradation, contamination and cross-contamination?			
6.34	If answering 'not applicable' for any of the above, please elabor	rate:		
Addition	nal Comments:			

	SECTION 7. Laboratory Procedures	N/A for this Site			
		Yes	No Not Applical		
7.1	Does the site have standard procedures for sample handling/tracking?				
7.1a	Does the site have standard procedures for retaining samples?	\boxtimes			
7.1b	Does the site have standard procedures for retesting samples?			\boxtimes	
7.2	Does the site have written and approved specifications and test methods?				
7.3	Are laboratory instruments calibrated regularly?				
7.4	Is there a standard procedure in place for analytical method development?	\boxtimes			
7.5	Does the site qualify and/or validate analytical test procedures?				
7.6	Does the site perform stability testing on materials and/or products?		\boxtimes		

SECTION 7. Laboratory Procedures			☐ N/A for this Site			
		Yes	No	Not Applicable		
7.7	Are retention samples of key raw materials maintained?					
7.8	Are standards traceable to their preparation and reagents used?					
7.9	Are retention samples of finished product maintained?	\boxtimes				
7.10	Are shelf life/retest/expiration dates available and standardized?			\boxtimes		
7.11	Does the company provide a certificate of analysis (CoA) and/or a Certificate of Conformation/Compliance (CoC) for each lot or batch?	\boxtimes				
7.12	Does the CoA/CoC contain the manufacture name and location?	\boxtimes				
7.13	Does the CoA/CoC signed/e-signed by a Quality representative?	\boxtimes				
7.14	If a repacker performs analyses, will the CoA reflect both the original manufacturing site data as well as the repacking site data?		\boxtimes			
7.15	If answering 'not applicable' for any of the above, please elaborate: If any raw materials are repacked, BBSM QC performs all final testing which will be the only data listed on the CoA.					
7.16	Additional Comments:					
	ECTION O. D. I. C. LE					
2	ECTION 8. Packaging, Storage, and Transport		T —	for this Site		
8.1	Door the site have a validated an avalified	Yes	No	Not Applicable		
	Does the site have a validated or qualified labeling system?					
8.2	Are batch production records retained and available?					
8.3	Are packaging and labeling areas separate from production?					
8.4	Are barcode readers in use and challenged regularly?	\boxtimes				
8.5	Are vision systems in use?					
8.6	Is product ever packaged without a label being initially applied (i.e. bright stocking)?		\boxtimes			
8.7	Do labels include shelf life/expiration dates?			\boxtimes		
8.8	Do labels include lot/batch number?					

S	SECTION 8. Packaging, Storage, and Transport			☐ N/A for this Site	
		Yes	No	Not Applicable	
8.9	Do labels include requirements for storage conditions?	\boxtimes			
8.10	Is tamper evident seal used for each container of supplied materials?	\boxtimes			
8.11	Does the company use a First-In-First-Out or First-Expiration-First-Out system?	\boxtimes			
8.12	Does the company maintain appropriate storage conditions?	\boxtimes			
8.12a	Are those storage conditions monitored and documented?	\boxtimes			
8.13	Does the site make available a description of storage and/or warehouse conditions?	\boxtimes			
8.14	Does the site distribute products via a third party?				
8.15	Are good distribution policies implemented?				
8.16	Are transport mechanisms dedicated?				
8.17	Does the company validate shipping method?				
8.18	Does the company validate packaging methods?		\boxtimes		
Additio	nal Comments: Validation not applicable to BBSM				

I (Supplier) confirm that the information provided in this questionnaire is correct and can be verified.

Date:1-September-2022

Title:Site Quality Head

To: Customer

If you have purchased a product in a 1, 5 or 10mg size, you may not get the expected weight if you try to extract the powder and weigh it on your balance. Dumping and weighing of small quantities may result in recovering less than what was expected.

Compound properties of certain products may lead to residue coating of the interior of the vial. We recommend solubilizing the material directly in the vial, and then dispensing into working aliquots at your desired concentration that may be frozen for future use.