

Brucellosis Laboratory ExposureQuestionnaire

NBS Patient ID (if applicable):	PLEASE PRINT LEGIBLY
Instructions: This questionnaire may be used to	capture information on each potentially exposed
individual when there has been a possible laborate	ory exposure involving Brucella species. This
questionnaire will collect information on the type of	of exposure, assist with risk classification and,
based on risk classification, provide post-exposure	e prophylaxis and testing recommendations. This
questionnaire may be used by public health, occup	
If the individual develops clinical signs or sym	•
suspected case should be reported to public h	
laboratory testing may be recommended.	•
Form completed by (Please print clearly and do not all	bbreviate)
Name:	Phone:
Affiliation:	
Demographi	c Information
Last Name:	First Name:
Date of Birth:/ Age:	
Street Address:	
County of Residence:	
If female, is the individual pregnant?	☐ Yes ☐ No ☐ Unknown
	al Information
What type of facility does the individual work in?	
•	Other research laboratory
· · · · · · · · · · · · · · · · · · ·	Public health/reference laboratory
-	Other:
What type of laboratory did the exposure take place in:	
	•
What is the name of the workplace/facility?	
What is the zip code of the workplace/facility?	
Which describes the individual's occupation at the time	
•	□ Laboratory manager □ Student
☐ Volunteer ☐ Cleaning/maintenance staff	☐ Other:
Exposure Eve	ent Information
About how long was the individual in the laboratory wh	
☐ Minutes ☐ Hours ☐ Unknown	.
Was the individual notified that specimen may contain	Brucella prior to working with it?
γ	☐ Yes ☐ No ☐ Unknown
Did the individual use personal protective equipment (I	PPF) while the isolate was being manipulated?
The time in all the control processing equipment (☐ Yes ☐ No ☐ Unknown
If yes, please check all PPE used:	
☐ Gloves☐ Eye protection☐ Face mask☐ Other:	· ·
Was any work done on an open bench?	☐ Yes ☐ No ☐ Unknown

	-				Individual's Name://											
	L	ab Activities														
Please check all of the activities that were performed on the isolate and where these were performed.																
Type of Manipulation	Worked In hood	with Out of hood	Did not wor ≤5 ft away	k with but was ≥5 ft away	Unknown											
Antibiotic resistance test																
Blood culture bottle																
Broke container of Brucella																
Catalase test*																
Centrifuge setup or run*																
Examined growth on media																
Flaming loop																
Gram stain																
Inoculation of media																
Liquid suspension																
Mouth pipette																
Opened a plate																
Oxidase test																
Sniffed plate																
Sonicating																
Spilled media with culture*																
Splashed media with culture*																
Subculture isolate																
Urea test																
Vortexing*																
Other:																
* Manipulation classified as an a generating event when perform suspension containing the orga suspension in liquid to produce From Traxler et al. 2013 http://jcr	ned without seale anisms, grinding, e standard conce	ed carriers. Ma blending, or sl ntration for ide	nipulations like naking the spe	e automated pipetti cimen, or procedur	ng of a es for											
110111 110X101 01 01. 2010 110P.//[01		k Assessmen	4													
Use the information obtained in Recommendations" table belowed Follow-up/monitoring should be department for assistance determined the Risk Level: ☐ High Risk	in the interview by to properly as be conducted as ermining an exp	and the "Labo ssign a risk cl ccordingly. Plo oosed individu	oratory Expos assification to ease contact	o the exposed ind your regional or lo isk.	ividual. ocal health											
Laboratory Exposure Risk A			ire prophylax	is (PEP) Recommo	endations											
		HIGH RISK	, , , , , , , , , , , , , , , , , , , ,	<u> </u>												
Exposure scenario	+	recommendati		Follow-up/ m												
Person who manipulates <i>Brucella</i> isolate outside of a certified Class		Omg twice daily,		Regular symptom w weekly) and daily se												
Il biosafety cabinet (BSC) or within BSC without appropriate personal protective equipment (i.e., gloves, gown, eye protection).	doxycycline or ri	n contraindication ifampin: TMP-SM opriate antimicro	ns to MZ, in addition bial, should	checks through 24 vexposure, after last exposure.	veeks post- known											
All persons present during the occurrence of aerosol-generating events (e.g., centrifuging without	against Brucella Pregnant wome	Two antimicrobiant should be giver nould be giver nould consult	Sequential serological monitoring at 0 (baseline), 6, 12, 18, and 24 weeks post-exposure, after last known exposure.													
sealed carriers, vortexing, sonicating, spillage/splashes) with manipulation of <i>Brucella</i> isolate on an open bench.		esistant to rifampis drug should not courses.	Note: No serological monitoring is currently available for RB51 and <i>B. canis</i> exposures in humans.													

Individual's Name:	Dat	e of Birth://
	LOW RISK	
Exposure scenario	PEP recommendations	Follow-up/ monitoring
Person present in the lab at a distance of greater than 5 feet from someone manipulating <i>Brucella</i> isolate).	May consider if immunocompromised or pregnant. Discuss with health care provider	Regular symptom watch (e.g., weekly) and daily self-fever checks through 24 weeks post-exposure, after last known exposure.
	(HCP). Note : RB51 is resistant to rifampin <i>in vitro</i> , and therefore this drug should not be used for PEP or treatment courses.	Sequential serological monitoring at 0 (baseline), 6, 12, 18, and 24 weeks post-exposure, after last known exposure. Note: No serological monitoring is currently available for RB51 and <i>B. canis</i> exposures in humans.
	MINIMAL RISK	Same expectates in Hamane.
Exposure scenario	PEP recommendations	Follow-up/ monitoring
Person who manipulates <i>Brucella</i> isolate in a certified Class II biosafety cabinet, with appropriate personal protective equipment (i.e., gloves, gown, eye protection). Person present in the lab while someone manipulates <i>Brucella</i> isolate in a certified Class II biosafety cabinet.	None	N/A
Pos	t-Exposure Prophylaxis (PEP) Asses	ssment
Please complete the following of	uestions on week 3 after the exposu	re OR at the time of PEP
completion ONLY if antimicrobi	al prophylaxis was recommended fo	r the individual.
Did the individual receive antibiotic	c treatment?	o 🗆 Unknown
Which antibiotics were recommen	ded to individual? (mark all that apply)	
□ Doxycycline	☐ Rifampin* ☐ Stre	eptomycin
☐ Unknown	☐ Other (specify):	•
*Rifampin is not recommended	for exposure to <i>B. abortus</i> vaccine str	
Did individual take the medication	•	
	/	
	dividual refused ☐ Pregnant	
•	ide effects of antibiotics	
	(not days) of the antibiotic? ☐ Yes	
If yes, indicate which antibiotic	•	2 110
		Doses).
	es):	
•	ide effects (adverse events)	
	urse of antibiotics? \square Yes \square No	
<u>-</u>	? □ Refused □ Side effects □ S	
ii iio, what was the reason		
	☐ Pregnant ☐ Other:side effects caused by the antibiotics?	
Reported by (Please print clearly		
Name:	•	e:
Affiliation:		·
Address:		·
County:	State:	Zip:

Individual's Name:	Date of Birth:/
Symptom Monitoring To	ool
This table may be used as a tool to collect information on sym	- I

• Beginning from the date of last exposure, temperature should be actively monitored for fever at least daily for 4 weeks.

 Broader symptoms of brucellosis should be passively monitored for six months from the last exposure.

If the individual develops clinical signs or symptoms compatible with brucellosis, the suspected case should be reported to public health officials within one work day; additional laboratory testing may be recommended.

Signs and Symptoms of Brucellosis																							
	Date Individual Seen at Occupational Health Clinic (daily or weekly symptom watch)											Symptom Onset											
	(daily of weekly Symptom watch)															Or	iset						
Symptoms (check if present on date of visit)	/		/ /	/ /						/						//					N/A	UNK	Date
Fever (> 100.4 F)																							
Sweats																							
Chills																							
More tired/ less energy than usual																							
Severe/ persistent headache																							
Muscle pains																							
Joint pains																							
Unintended weight loss																							
Loss of appetite																							
Vomiting																							
Diarrhea																							
Other:																							

Source: The information included in this questionnaire is based on the published exposure guidelines on the CDC Brucellosis website and in Traxler *et al.* 2013 http://jcm.asm.org/content/51/9/3132.