## TABLE2 (1of4) SPECIMENSELECTION <sup>1</sup>

DISEASE/ AGENT		TIME	SPECIMENPLATING ANDPROCESSING						
AGENI			Transport	Storage	SBA	CA	MAC	STAIN	OTHER
	Cutaneous	VesicularStage :collectfluidfromintact vesiclesonsterileswab(s).Theorganismisbest demonstratedinthisstage.	≤2h RT	≤24h RT	X	X	X	Gram stain	IndiaInkforcapsule
Anthrax									
		<b>EscharStage</b> : withoutremovingeschar,insert swabbeneaththeedgeofeschar,rotateand collectlesionmaterial.	≤2h RT	≤24h RT	X	X	X	Gram stain	IndiaInkforcapsule
	Gastro- Intestinal	Stool:collect5-10ginaclean,sterile,leak- proofcontainer.	≤1h RT	≤24h 4°C				ating	Minimalrecovery
		<b>Blood</b> :collectperinstitution's procedure for routine blood cultures.	≤2h RT	*	Blood			Positiv disease	einlatestagesof
	Inhalation	<b>Sputum</b> :collectexpectoratedspecimenintoa sterile,leakproofcontainer.	≤2h RT	≤24h 4°C	X	X	X	Gram stain	Minimalrecovery
		<b>Blood</b> :collectperinstitution'sprocedurefor routinebloodculture.	≤2h RT	*	Blood	culturebottles		disease	einlatestagesof
Brucellosis	Acute, subacuteor chronic	Serum:collect10-12ccacutephasespecimen assoonaspossibleafterdiseaseonset.Followed byaconvalescentspecimen,obtained21days later.	~2h RT	-20°C	1 *			gicdiagnosis: titer: ≥1:160 rise	
		Blood:collectperinstitution'sprocedurefor routinebloodculture.	≤2h RT	*	Bloodculturebottles hold21days		varyfro	ultureisolationrates n15-70%depending odsandlengthof on	
		BoneMarrow,Spleenorliver :collectper institution'ssurgical/pathologyprocedure	≤15min RT	≤24h RT	X	X	X	Gram stain	IndiaInkfor capsule,andadd bloodcul-ture bottlesor enrichmentbroth

holdculturesforat
least7days

## TABLE2 (2of4) SPECIMENSELECTION

DISEASE/	Γ	SPECIMENSELECTION SPECIMEN						COMMENTS			
AGENT		DI DOMENDEDECTION			HAND		COMMINICATION				
Botulism	Specimen Type		Clinical	Syndrome		Specimen volume	Transpo rttemp	Specimen(s)ofchoiceforconfirmingbotulism: a.Serum b.Wound/tissue c.Stoolandincriminatedfood			
		Foodborne	Infant	Wound	Intentional Release	 					
	EnemaFluid	X	X	X	X	20cc	4°C	Purgewithaminimalamountofsterilenonbacterio- staticwatertominimizedilutionoftoxin			
	FoodSample	X	X		Х	10-50g	4°C	Foodsthatsupport <i>C.botulinum</i> growthwillhavea pHof3.5-7.0,mostcommonpHis5.5-6.5.Submit foodinoriginalcontainer,placingindividuallyinleak proofsealedtransportdevices.			
	GastricFluid	X,A				20cc	4°C	Collectupto20cc			
	IntestinalFluid	A	A			20cc	4°C	Autopsy:intestinalcontentsfromvariousareasofthe smallandlargeintestinesshouldbeprovided			
	Nasalswab				X	anaerobic swab	RT	Foraerosolizedbotulinumtoxinexposure,obtain nasalculturesfor <i>C.botulinum</i> andserumformouse toxicitytesting			
	Serum	X,A		X	X	10-12cc	4°C	Serumshouldbeobtainedassoonaspossibleafterthe onsetofsymptomsandbeforeantitioxinisgiven. A minimumof10ccofserum(20ccofwholeblood)is requiredformousetoxicitytesting. Ininfants, serum isgenerally, notuseful, sincethetoxinisquickly absorbedbeforeserumcanbeobtained.			
	Stool	X	X	X	X	10-50g	4°C	Botulismhasbeenconfirmedininfantswithonly "pea-sized"stools.Pleasenote:anticholinesterase givenorally,asinpatientswithmyastheniagravis,has beenshowntointerferwithtoxintesting			
	Vomitus	X				20cc	4°C	Collectupto20cc			
	Wound/tissue			X		Anaerobic swabor transport system	RT	Exudate,tissueorswabsmustbecollectedand transportedinananaerobictransportsystem.Samples fromanenemaorfecesshouldalsobesubmittedsince thewoundmaynotbethesourceofbotulinum-toxin			
	Environmental sample		X		X		RT	Environmentalswabs			

## TABLE2 (3of4) SPECIMENSELECTION

DISEASE/ AGENT			TIMEAND TEMP			SPECIMENPLATING ANDPROCESSING				
	ļ		Transport	Storage	SBA	CA	MAC	STAIN	OTHER	
Plague	Pneumonic	Sputum/throat:collectroutinethroatculture using as wabor expectorated sputum collected into a sterile, leak proof container.	≤2h RT	≤24h 4°C	Х	X	X	Gram stain	Minimalrecovery. Preparesmearsfor Wayson(andDFA referral)	
Tingue	Thomas	Bronchial/trachealwash: collectper institution's procedure in an areadedicated to collecting respiratory specimens under isolation/containment circumstances, i.e., isolation chamber/"bubble".	≤2h RT	≤24h 4°C	X	X	X	Gram stain	Preparesmearsfor Waysonstain(and DFAreferral)	
		<b>Blood</b> :collectperinstitution'sprocedurefor routinebloodcultures.	≤2h RT	*	Blood	cultureb	oottles	Patientswithnegative cultures having a singletiter, ≥1:10, specific toF1 antigenby agglutination would meet presumptive criteria		
Tularemia	Pneumonic	Sputum/throat:collectroutinethroatculture using as wabor expector at edsputum colleced into a sterile, leak proof container.	≤2h RT	≤24h 4°C	X	X	X	Gram stain	Minimalrecovery. AddaBCYEplate andpreparesmears forDFAreferral	
		Bronchial/trachealwash: collectper institution's procedure in an areadedicated to collecting respiratory specimens under isolation/containment circumstances, i.e., isolation chamber/"bubble"	≤2h RT	≤24h 4°C	X	X	X	Gram stain	AddaBCYEplate andpreparesmears forDFAreferral.	
		Blood:collectperinstitution's procedure for routine blood cultures.	≤2h RT	*	Bloodculturebottles.		beenpos DFAfro tissues, positive meetpre Wherea requires	Bloodcultureshaverarely beenpositive. Apositive DFAfromanulcer/wound, tissues, and cultures OR a positive serology testwould meetpre-sumptive criteria. Whereas, confirmation requires culture identification or a 4-foldrise		

## TABLE2 (4of4) SPECIMENSELECTION

DISEASE/ AGENT		SPECIMENSELECTION	TIME		SPECIMENHANDLING ANDTRANSPORT
	ļ		Transport	Storage	
Smallpox	Rash	<b>Biopsyspecimens</b> : asepticallyplacetwotofour portionsoftissueintoasterile,leakproof, freezablecontainer.	~6h 4°C	-20°C to -70°C	1.Asuspectedcaseofsmallpoxshouldbereported immediatelytotherespectivestatehealthdepartment forreview 2.Andif,afterreview,smallpoxisstillsuspected, CDC'sPoxvirusSection@404-639-2184shouldbe contactedforapprovaltosend 3.Atthistimereviewthepackaging/shipping requirementswithCDCandrequestassistanceincoordinatingacarrierfortransport/shipment
		Scabs: aseptically places crapings/material into a sterile, leak proof, freezable container.	~6h 4°C	-20°C to -70°C	oraniangaeantenoraanspore suprien
		Vesicularfluid :collectfluidfromseparate lesionsontoseparatesterileswabs.Besureto includecellularmaterialfromthebaseofeach respectivevesicle.	~6h 4°C	-20°C to -70°C	
VHF		Serum:collect10-12ccofserum.Laboratory testsusedtodiagnoseVHFinclude:antigencaptureELISA,IgGELISA,PCR,andvirus isolation.	~2h RT	-4°C	Specifichandlingconditionsarecurrentlyunder development

Abbreviations: ★, delayed entry depends on instrument; A, autopsy; BCYE, buffered charcoal-yeast extract agar; C, centigrade; CA, chocolate agar; CNA, colistin-nalidixic acid agar; DFA, direct fluorescent antibody; g, grams; h, hours; MAC, MacConkey agar; PEA, phenylethyl alcohol blood agar; RT, room temperature