

CDC

Babesiosis Case Report Form

Form Approved OMB No. **0920**-0728 Exp. Date 1/31/2017

Patient's name:	Date submitted: <u>05</u>	/24/2017 (mm/dd/yyyy)	
Address:	Clinician's name: _		Clinician's Phone no.:
City:	NETSS ID No.: (if re		
Classify and band on the CDC and defin	::::	Case ID	Site State
Classify case based on the CDC case defir Demographic and Clinical Data	iltion: 🔲 Confirmed 📋	Probable [specify: [] (a) []	(b)i (b)ii] Suspect
For dates, be as specific as possible. However,			
State of residence: County of residence:	Zip code:	Sex: Date of bir	th: Age:
Postal abrv:		Female (mm/dd/yy	menths
Race (check	Alaska Native or		nicity: Hispanic/Latino
all that apply): $\ igsqcup \ White$	American Indian	Pacific Islander	Not Hispanic/Latino
☐ Black/African American	_	☐ Not specified	Unknown
Was the case-patient symptomatic? ☐ Yes ☐ If yes, date of onset: (mm/dd/yyyy	No Unk Is the case If spler	e-patient asplenic? 🔲 Yes 🔲 nectomy, date of surgery:	
Clinical Manifestations	V. N. III	V. N. II.	
Yes No Unk	Yes No Unk	Yes No Unk	Myalgia
☐ ☐ ☐ Anemia	Chills		Arthralgia
☐ ☐ Thrombocytopenia	☐ ☐ ☐ Sweats		
Other clinical manifestations (specify):			
Specify any complications in the clinical course	_	<u>_</u>	_
Acute respiratory distress	Congestive heart to Conges	=	None
Disseminated intravascular coagulation (Disseminated intravascular coagulation (Dissem	· - ·	on	
infection? Yes No Unk	If yes,	date of death: (death related to the infection?	mm/dd/yyyy)
If yes, number of days:			∐ Yes ∐ No ∐ Unk
Did the case-patient receive antimicrobial treatm		_ — —	
If yes, which drugs (select all that apply)?	Clindamycin Quinine	_ Atovaquone	1
Epidemiologic Factors		_	
Was the case-patient's infection transfusion ass Was the case-patient a blood donor identified du			
In the eight weeks before symptom onset or	diagnosis (use earlier dat	e), did the case-patient:	
Engage in outdoor activities? Yes No			Hunting
Spend time outdoors in or near wooded or br			
Notice any tick bites? ☐ Yes ☐ No ☐ Unl	when and where (geog	raphic location)?	
Travel out of? County State Coun	itry When and where?		
Laboratory Testing for <i>Babesia</i>			
Please include available results, especially thos	e relevant to case classifica	tion.	
Test Babesia specimen collected	Titer Result	Test Babesia species	Date specimen Result collected
IFA – total antibody (Ig)	Pos Neg	Blood Smear N/A	Pos Neg
IFA - IgG	Pos Neg Indeterminate	PCR	Pos Neg Indeterminate
IFA - IgM	Pos Neg	Other (specify):	Pos Neg Indeterminate
Immunoblot	N/A Pos Neg Indeterminate	Other (specify):	Pos Neg

Public reporting burden of this collection of information is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/ATSDR Information Collection Review Office, 1600 Clifton Road NE, MS D-74, Atlanta, Georgia 30333; ATTN: PRA (0920-0728).



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Т					Date sub	mitted: (05/24	/2017 (mn	n/dd/yyyy)			
					Clinician	's name [.]					Clinician's Phone no.	
										' 		·
					NETSS I	D No.: (i	f repo		ase ID]	ite S	State
	Classify case	e based on the	CDC case def	inition: [☐ Confi	rmed [☐ Pro	obable [spec	cify: 🔲 (a) 🔲 (b)i	(b)ii]	Suspect
D	emographic a	and Clinical Dat	а									
	or dates, be as tate of residen	s specific as pos	sible. However residence:	r, approxii			/yyy] a	re acceptabl Sex:		of hirth:	Δα	7 .
Po	estal rv:	- County of	residence.		Male Female mm/dd/yyyy)					years months days		
	ace (check I that apply):	☐ White ☐ Black/Afric	an American	☐ An	Alaska Native or American Indian Pacific Islander Asian Dot Specified Ethnicity: Hispanic/Latino Dot Hispanic/Latino Unknown						t Hispanic/Latino	
		atient symptomanset:			Unk			tient aspleni comy, date of				dd/yyyy)
С	linical Manife	stations			U							
[[]		Fever Anemia Thrombocytope anifestations (sp		Yes	No Unk	Headac Chills Sweats			Yes No	Mya	algia nralgia	
S _I	Acute resp	nplications in the iratory distress ted intravascula			Conge	stive hea		=	nal failure er:		None	
	fection? 🔲 Y	atient hospitalize ′es No l er of days:	Jnk	ernight) fo	or this	If ye	es, dat	-patient die? te of death: th related to		(mm/	dd/yyyy)	o 🔲 Unk
Di	•	tient receive ant								_		
	If yes, which	drugs (select all	that apply)? L	_ Clindar	mycin	Quinine	: [A	tovaquone L	Azithron	nycin 📙	Other:	
W		Factors atient's infection atient a blood do							□No □	Unk		
In	the eight we	eks before sym	ptom onset o	r diagno:	sis (use	earlier d				_	_	_
	Engage in ou	tdoor activities?	☐ Yes ☐ N	o 🔲 Unk	t If yes	s, which:		Camping [Other:	Hiking	Hu	nting [Yard work
	Spend time of	outdoors in or ne	ar wooded or b	orushy are	eas? 🔲	Yes 🔲						
	-	ck bites? TYe					•	hic location)?	?			
	Travel out of	? County C	State 🔲 Cοι	untry W	Vhen and	where?						
		sting for <i>Babesi</i> available results		ose releva	ant to cas	e classifi	ication	1.				
	Test	Babesia species	Date specimen collected	Titer	Resu			Test	Babes specie	S S	Date specimen collected	Result
	IFA – total antibody (Ig)				Pos III		Blo	od Smear	N/A			Pos Neg
	IFA - IgG			F	Pos I		РС	R				Pos Neg Indeterminate
	IFA - IgM			F	Pos I	Veg	Oth	ner (specify):				Pos Neg
	Immunoblot			N/A	Pos I	Neg	Oth	ner (specify):				Pos Neg

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Case Definition

Confirmed case:

A case that has confirmatory laboratory results and meets at least one of the objective or subjective clinical evidence criteria, regardless of the mode of transmission (can include clinically manifest cases in transfusion recipients or blood donors).

Probable case:

- (a) A case that has supportive laboratory results and meets at least one of the objective clinical evidence criteria (subjective criteria alone are not sufficient); or
- (b) A case that is in a blood donor or recipient epidemiologically linked to a confirmed or probable babesiosis case (as defined above) and:
 - i. has confirmatory laboratory evidence but does not meet any objective or subjective clinical evidence criteria; or
 - ii. has supportive laboratory evidence and may or may not meet any subjective clinical evidence criteria but does not meet any objective clinical evidence criteria.

Suspect case:

A case that has confirmatory or supportive laboratory results, but insufficient clinical or epidemiologic information is available for case classification (e.g., only a laboratory report was provided).

Clinical evidence

- Objective: one or more of the following: fever, anemia, or thrombocytopenia.
- Subjective: one or more of the following: chills, sweats, headache, myalgia, or arthralgia.

Epidemiologic evidence for transfusion transmission

Epidemiologic linkage between a transfusion recipient and a blood donor is demonstrated if all of the following criteria are met:

- (a) In the transfusion recipient:
 - i. Received one or more red blood cell (RBC) or platelet transfusions within one year before the collection date of a specimen with laboratory evidence of *Babesia* infection; and
 - ii. At least one of these transfused blood components was donated by the donor described below; and
 - iii. Transfusion-associated infection is considered at least as plausible as tick-borne transmission; and
- (b) In the blood donor:
 - i. Donated at least one of the RBC or platelet components that was transfused into the above recipient; and
 - ii. The plausibility that this blood component was the source of infection in the recipient is considered equal to or greater than that of blood from other involved donors. (More than one plausible donor may be linked to the same recipient.)

Laboratory criteria for diagnosis

Laboratory confirmatory:

- Identification of intraerythrocytic *Babesia* organisms by light microscopy in a Giemsa, Wright, or Wright-Giemsa–stained blood smear; or
- Detection of Babesia microti DNA in a whole blood specimen by polymerase chain reaction (PCR); or
- Detection of Babesia spp. genomic sequences in a whole blood specimen by nucleic acid amplification; or
- Isolation of *Babesia* organisms from a whole blood specimen by animal inoculation.

Laboratory supportive:

- Demonstration of a *Babesia microti* Indirect Fluorescent Antibody (IFA) total immunoglobulin (Ig) or IgG antibody titer of greater than or equal to (≥) 1:256 (or ≥1:64 in epidemiologically linked blood donors or recipients); or
- Demonstration of a Babesia microti Immunoblot IgG positive result; or
- Demonstration of a Babesia divergens IFA total Ig or IgG antibody titer of greater than or equal to (≥) 1:256; or
- Demonstration of a *Babesia duncani* IFA total Ig or IgG antibody titer of greater than or equal to (≥) 1:512.