

DSHS Chagas Disease (Trypanosoma cruzi) Exposure Assessment and Testing Guidance Rev. 12-24

Person tests po Person exposed or triatomine b Person with onset of	sitive at a blood bank OR potentially exposed to a ug >8 weeks prior OR cardiac disease compatible	<i>T. cruzi</i> -infe	Process 3 posed or potentially exposed to a ected triatomine bug ≤8 weeks prior
Person exposed or triatomine b Person with onset of	OR potentially exposed to a ug >8 weeks prior OR cardiac disease compatible	<i>T. cruzi</i> -infe	ected triatomine bug ≤8 weeks prior
	cardiac disease compatible		00
	c Chagas disease OR		OR aveled to a highly Chagas-endemic ea and has acute symptoms OR
Person potentially exp an infected person	positive mother or sibling OR osed to blood or tissue from or animal >8 weeks prior	from an infe	tentially exposed to blood or tissue cted person or animal ≤8 weeks prior edlestick injury, tissue transplant)
that detect antibod	ies to different antigens) OR a c ab information). Positive Serology @ DSHS OR a commercial lab that utilizes two or more tests t detect antibodies to different antigens^^ - see p. 2 Results indicate the present	commercial lab t hat ent	 Prior to sample submission, consult with Regional DSHS Zoonosis Control staff to 1) determine if PCR testing is warranted, and 2) to discuss other testing options If CDC approves testing by PCR, submit the appropriate sample to
treatment NOT have	Inconclusive Serology OR a Positive/Reactive screening tes Public health should request emaining sample be forwarded lab & notify provider OR the pr	single ht^- see p. 2 that any to the DSHS rovider can	the DSHS lab for routing to the testing center (see page 2 for lab information). If serologic testing (Process 2) or blood smear examination is recommended, the sample should be sent to DSHS or a commercial lab.
	an infected person (e.g., needlestick i Perform serology so that detect antibod lab (see page 2 for Negative Serology Person does NOT have Chagas disease	that detect antibodies to different antigens) OR a c lab (see page 2 for lab information). Positive Serology @ DSHS OR a commercial lab tha utilizes two or more tests t detect antibodies to different antigens^^ - see p. 2 Results indicate the preserr of antibodies to <i>T. cruzi</i> Inconclusive Serology OR a Positive/Reactive screening test Public health should request remaining sample be forwarded lab & notify provider OR the pr collect a new sample and send	an infected person or animal >8 weeks prior (e.g., needlestick injury, tissue transplant) Perform serology screening at the DSHS lab (uses TWO tests that detect antibodies to different antigens) OR a commercial lab (see page 2 for lab information). Positive Serology @ DSHS lab OR a commercial lab that utilizes two or more tests that detect antibodies to different antigens^^ - see p. 2 Results indicate the presence of antibodies to <i>T. cruzi</i> //index.html for treatment NOT have // Not have //

*Specimens testing inconclusive at DSHS will not be forwarded to CDC for confirmatory testing while Chagas Disease Serology is offline.

Major Laboratories that Currently Perform Trypanosoma cruzi Testing

> <u>Texas Department of State Health Services Laboratory</u>

- <u>Trypanosoma cruzi IgG Antibody Immunoassay</u>
- Check Chagas IgG box in Section 6 of G-2A form

ARUP Laboratories^

- <u>Trypanosoma cruzi</u> Antibody, IgG
- Test Code 0051076

Quest Diagnostics^

- <u>Trypanosoma cruzi</u> Antibody, Total
- Test Code 13230

Mayo Clinic Laboratories^

<u>Trypanosoma cruzi Total Antibody, Enzyme-Linked Immunosorbent Assay, Serum</u>

Kephera Diagnostics^^

- <u>Chagatest ELISA recombinante v.3.0, TESA Immunoblot, & Infynity Biomarkers Multi-Cruzi</u>
 - ELISA & TESA tested in parallel, reflex to Infynity assay if the two test results are discordant
- Test Code 0051076

Centers for Disease Control and Prevention

- <u>Chagas Disease Serology</u> and <u>Chagas Disease Molecular Detection</u> (PCR) are currently offline. However, with CDC approval, **PCR** samples can be routed through the DSHS lab for testing at the Wadsworth Center parasitology lab at the New York State Department of Health.
 - Check Chagas Disease box in Section 7 of G-2A form

Disclaimer of Endorsement: Reference herein to any specific commercial laboratory or test does not necessarily constitute or imply its endorsement, recommendation, or favoring by the Texas Department of State Health Services.