Supplementary Data

SUPPLEMENTARY TABLE S1. CONCORDANCE OF AUTOANTIBODY POSITIVITY IN DRIED BLOOD SPOT SAMPLES COMPARED WITH VENOUS SERUM SAMPLES

	Sensitivity	Specificity	
GADA	78%	99%	
IA-2A	82%	100%	
ZnT8A	81%	_	

GADA, glutamic acid decarboxylase autoantibodies; IA-2A, islet antigen 2 autoantibodies; ZNT8A, zinc transporter 2 autoantibodies.

Appendix 1: The TrialNet Consortium

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Appendix 2: Participant questionnaire for adults (adapted versions were available for use by child participants and parents)

Your blood can tell us if you have antibodies for type 1 diabetes. We get blood by sticking a needle in a vein. This is called a blood draw. There is a new test we can use that uses blood from your finger. We put the blood on a piece of paper. It is called the Dried Blood Spot test.

Today you had a blood draw with a needle. You also had the Dried Blood Spot test.

- 1. Did the blood draw hurt
 - O A lot
 - O A little
 - O Did not hurt at all
- 2. Did the finger stick for the Dried Blood Spot test hurt
 - \circ A lot
 - O A little
 - O Did not hurt at all
- 3. Which hurt more?
 - O Blood draw
 - O Finger stick for the Dried Blood Spot test
 - They both hurt the same.
- 4. Which did you like better?
 - O Blood draw

- O Finger stick for the Dried Blood Spot test
- O I liked both tests the same.
- 5. Think about having a blood test again. Which test would make you more worried or scared:
 - O Blood draw
 - O Finger stick for the Dried Blood Spot test
 - One test does not make me more worried or scared than the other.
- 6. Think about having a blood test again. Which test would you choose:
 - O Blood draw
 - O Finger stick for the Dried Blood Spot test
 - O I liked both tests the same.

You can do the Dried Blood Spot test at home.

- 1. Would you like to do the Dried Blood Spot test at home instead of coming to the clinic for a blood draw?
 - Yes
 - O No
- 2. Today someone in the clinic did the Dried Blood Spot test for you. How easy or hard would it be for YOU to do the Dried Blood Spot test at home?
 - Very easy
 - Easy
 - O Not easy or hard
 - Hard
 - O Very hard

Most people have no antibodies for diabetes. The Dried Spot Test can find the few people who have antibodies. But if the Dried Blood Spot Test says you have antibodies, you have to get a blood draw to be sure.

Which would you like to do: (choose one answer)

- I want to do the Dried Blood Spot Test at home. I will only need a blood draw if the Dried Blood Spot Test says I have antibodies.
- I do not want to do the Dried Blood Spot test at home.
 I want to get a blood draw each time my blood is tested for antibodies.

Please share any additional thoughts about the use of the
Dried Blood Spot (for your child) compared to a regular
blood draw:

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