

The 10[®] (The Ten[®]) Assay Card

10 DNA Target Assay

Hybridization Probe Assays

This reagent kit is designed to test ten assays from one unknown liquid or powder sample. These protocols are to be performed manually and have been simplified to reduce the risk of operator error.

⚠ WARNING: If the unknown sample to be tested is suspected to contain pathogen or toxin, it must be handled by trained personnel and treated as if it were highly poisonous or infectious throughout the sample purification procedure, the assay procedure, and when disposing of all waste materials that have come in contact with the suspected sample.

Kit Path-ASY-0061—Contents

Reagent Grade Water for Controls Bottle (1)	Unknown Sample Bottle (1)	Freeze-dried Reagents in a Foil Bag (1)
Swab (1)	3 mL Syringes with Cannula Tips (2)	
Transfer Pipette (1)	Instruction Booklet (1)	

💡 Note: A RAZOR[®] EX or RAZOR[®] instrument is required to run this assay.

Programming the Run Protocol

Before the sample is loaded into the pouch, verify that the run protocol for this test is loaded onto the instrument. If it is not, you can load the protocol by scanning the square protocol bar code on the reagent box. If the bar code is damaged, use the generic bar codes that are located below. Times, temperatures, and results analyses are all included in the protocol bar code.

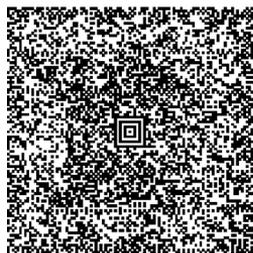
Loading Protocols for the RAZOR[®] EX

After the square protocol bar code has been scanned, scan the rectangular bar code on the pouch fitment. If the rectangular bar code is damaged, use the generic one below. **Note: You will only be able to use the generic bar code for one run. To re-use it, you have to delete the run.**

💡 Note: Prepare sample before loading.



10TARGTB-10TAR008

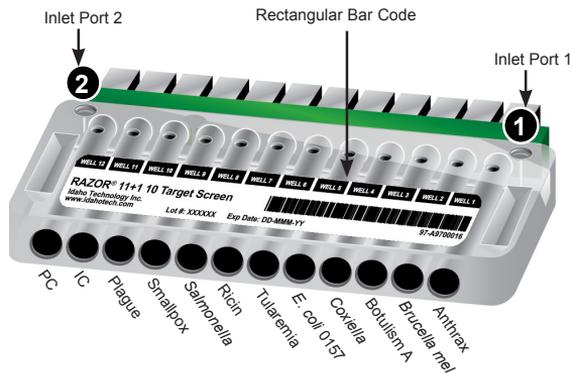


Kit Part Number: PATH-ASY-0061
Protocol Code: 10TARGTB

1 Inlet Port 1
Load 2.0 mL unknown sample with 3-mL syringe.

2 Inlet Port 2
Load 0.4 mL control water from bottle with 3-mL syringe.

⚠ WARNING: Do not depress syringe plunger, this may cause pouch failure.



Protocol Steps	Data to be Entered																																																																														
Step 1: Protocol Identifier	Enter TEN to identify this protocol. This identifying code matches the first three characters on the pouch. This will help you identify the protocol after it is loaded on the instrument.																																																																														
Step 2: Protocol Parameters	<table border="1"> <tr> <td>Initial Hold Temperature: 93°C</td> <td>Initial Hold Time: 120 sec</td> <td>Cycles: 55</td> </tr> <tr> <td>Denature Temperature: 91°C</td> <td>Denature Hold Time: 3 sec</td> <td></td> </tr> <tr> <td>Anneal Temperature: 60°C</td> <td>Anneal Hold Time: 15 sec</td> <td></td> </tr> </table>	Initial Hold Temperature: 93°C	Initial Hold Time: 120 sec	Cycles: 55	Denature Temperature: 91°C	Denature Hold Time: 3 sec		Anneal Temperature: 60°C	Anneal Hold Time: 15 sec																																																																						
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Step 3: Select Organisms for the Protocol	A list of organisms are listed in the All Organisms column. Select Anthrax and click the Add button. Repeat for B. mel , C bot , Coxiella , E. coli , F. tul , Ricin , Salm , Smallpox , Plague , IC and PC . They will be added to the Organisms for this Protocol column. If any are not listed, see the <i>RAZOR Pouch Instruction Booklet</i> for instructions on how to add new organisms. Note: The target for Smallpox , Salmonella , Ricin , E. coli , Coxiella , Plague , C. bot , Brucella , IC , and PC is "Tar1"; F. tul is "Tar2"; and Anthrax is "Tar3."																																																																														
Step 4: Add Environmental Samples	Add two unknown samples by clicking the Add button and entering UNK1 .																																																																														
Step 5: Assign an Organism to Each Sample Position	Assign Anthrax to sample 1, B. mel to sample 2, C. bot to sample 3, Coxiella to sample 4; E. Coli to sample 5; F. tul to sample 6; Ricin to sample 7; Salmonella to sample 8; Smallpox to sample 9; Plague to sample 10, IC to sample 11, and PC to sample 12.																																																																														
Step 6: RAZOR Pouch Definition	<p>Fill out the definition as shown in the image below.</p> <table border="1"> <caption>Razor Bag Definition</caption> <thead> <tr> <th>Pos</th> <th>Organism</th> <th>Target</th> <th>Type</th> <th>Env. Sample</th> <th>Concentration</th> </tr> </thead> <tbody> <tr><td>1</td><td>Anthrax</td><td>Tar3</td><td>UNK</td><td>UNK1</td><td></td></tr> <tr><td>2</td><td>B. mel</td><td>Tar1</td><td>UNK</td><td>UNK1</td><td></td></tr> <tr><td>3</td><td>C. bot</td><td>Tar1</td><td>UNK</td><td>UNK1</td><td></td></tr> <tr><td>4</td><td>Coxiella</td><td>Tar1</td><td>UNK</td><td>UNK1</td><td></td></tr> <tr><td>5</td><td>E. coli</td><td>Tar1</td><td>UNK</td><td>UNK1</td><td></td></tr> <tr><td>6</td><td>F. tul</td><td>Tar2</td><td>UNK</td><td>UNK1</td><td></td></tr> <tr><td>7</td><td>Ricin</td><td>Tar1</td><td>UNK</td><td>UNK1</td><td></td></tr> <tr><td>8</td><td>Salm</td><td>Tar1</td><td>UNK</td><td>UNK1</td><td></td></tr> <tr><td>9</td><td>Smallpox</td><td>Tar1</td><td>UNK</td><td>UNK1</td><td></td></tr> <tr><td>10</td><td>Plague</td><td>Tar1</td><td>UNK</td><td>UNK1</td><td></td></tr> <tr><td>11</td><td>IC</td><td>Tar1</td><td>POS</td><td></td><td></td></tr> <tr><td>12</td><td>PC</td><td>Tar1</td><td>POS</td><td></td><td></td></tr> </tbody> </table>	Pos	Organism	Target	Type	Env. Sample	Concentration	1	Anthrax	Tar3	UNK	UNK1		2	B. mel	Tar1	UNK	UNK1		3	C. bot	Tar1	UNK	UNK1		4	Coxiella	Tar1	UNK	UNK1		5	E. coli	Tar1	UNK	UNK1		6	F. tul	Tar2	UNK	UNK1		7	Ricin	Tar1	UNK	UNK1		8	Salm	Tar1	UNK	UNK1		9	Smallpox	Tar1	UNK	UNK1		10	Plague	Tar1	UNK	UNK1		11	IC	Tar1	POS			12	PC	Tar1	POS		
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Step 7: RAZOR Metacalls	This step displays an image of the conditions required for an unknown to be called positive. You do not need to enter any data in this step. Click Finish to save the protocol.																																																																														
NOTE: Before defining results on machine's LED screen	<p>Remember assays correlate to the channels shown in diagram to right.</p> 																																																																														

