

WATER QUALITY TESTING INFORMATION PANEL		WQ
<p><i>This questionnaire form is to be used for households that have been selected for water quality testing. A separate questionnaire form should be used for each selected household.</i></p> <p><i>This questionnaire form must be appended to the HOUSEHOLD QUESTIONNAIRE.</i></p>		
<b>WQ1.</b> Cluster number _____	<b>WQ2.</b> Household number _____	
<b>WQ3.</b> Measurer's name and number Name _____	<b>WQ4.</b> Day/Month/Year of conducting test: ____ / ____ / 2014	
<b>WQ5.</b> Check HH8A on the household questionnaire. Is this household selected for Water Quality Testing?	Yes ..... 1 No ..... 2	
<b>WQ6.</b> Has this household been selected for duplicate water samples collection for chemical testing?	Yes ..... 1 No ..... 2	
<b>WQ6A.</b> Has this household been selected for duplicate water samples collection for E.Coli testing at household and source level?	Yes ..... 1 No ..... 2	
<b>WQ7.</b> Has this household been selected for blank testing?	Yes ..... 1 No ..... 2	
<p>AS PART OF THE SURVEY WE ARE ALSO LOOKING AT THE QUALITY OF HOUSEHOLD DRINKING WATER. YOUR HOUSEHOLD HAS BEEN RANDOMLY SELECTED FOR THIS PART OF THE SURVEY AND WE WOULD LIKE TO PERFORM SOME SIMPLE WATER QUALITY TEST USING SAMPLES OF YOUR USUAL DRINKING WATER. MAY I START NOW?</p> <p><input type="checkbox"/> Yes, permission is given ⇒ Go to WQ9.</p> <p><input type="checkbox"/> No, permission is not given ⇒ Circle 2 in WQ8. Discuss this result with your supervisor.</p>		
<b>WQ8.</b> Result of water quality testing questionnaire	Completed ..... 1 Refused ..... 2 Partly completed ..... 3 Other ( <i>specify</i> ) _____ 6	

**WATER QUALITY TESTING**

**WQ**

**WQ9.** I WOULD LIKE TO TAKE SOME SAMPLES OF THE WATER YOU DRINK IN YOUR HOUSE. CAN YOU PLEASE PROVIDE ME SOME DRINKING WATER USUALLY USED BY MEMBERS OF YOUR HOUSEHOLD FOR DRINKING?

Yes..... 1  
No ..... 2

1  
2 ⇒ WQ8 and circle 2

**WQ10.** Fill, label and preserve 3 sample bottles from the selected household for laboratory tests. Label H-XXX-YY, where XXX is the cluster number and YY is the household number.

Sample bottle filled, labelled and preserved?

Bottles filled

Bottles labelled (Write the label written on the sample bottles)

$\frac{H}{X} - \frac{\quad}{X} - \frac{\quad}{X} - \frac{Y}{Y}$

Bottle sample preserved

If any of above is not checked, administer the sample bottles and check again.

Please record the time of sample collection: Hour: Minutes \_\_\_\_\_ : \_\_\_\_\_

**WQ11.** Using the water provided by the respondent, take a sterile 1 mL syringe and add 1 mL of water to compact dry plate. Close and label H-XXX-YY, where XXX is the cluster number and YY is the household number.

Record whether test was conducted.

Record the time of test if conducted:

Bacterial test conducted..... 1  
Bacterial test not conducted..... 2

Hour: Minutes \_\_\_\_\_ : \_\_\_\_\_

**WQ11A.** Using the water provided by the respondent, take 20 mL microbiological testing kit and fill up to mark. Close and label H-XXX-YY, where XXX is the cluster number and YY is the household number.

Record whether test was conducted.

Record the time of test if conducted:

Bacterial test conducted..... 1  
Bacterial test not conducted..... 2

Hour: Minutes \_\_\_\_\_ : \_\_\_\_\_

**WQ12.** Check WQ6: Has this household been selected for duplicate water samples collection for chemical testing?

Yes ⇒ Continue with WQ12A.

No ⇒ Go to WQ13.

**WQ12A.** Fill, label and preserve 3 sample bottles from the selected household for laboratory tests. Label DH-XXX-YY, where XXX is the cluster number and YY is the household number.

Sample bottle filled, labelled and preserved?

Bottles filled

Bottles labelled (Write the label written on the sample bottles)

$\frac{DH}{X} - \frac{\quad}{X} - \frac{\quad}{X} - \frac{Y}{Y}$

Bottle sample preserved

If any of above is not checked, administer the sample bottles and check again.

Please record the time of sample collection: Hour: Minutes \_\_\_\_\_ : \_\_\_\_\_

<p><b>WQ13.</b> Check WQ6A: Has this household been selected for duplicate water sample collection for E.Coli testing?  <input type="checkbox"/> Yes ⇒ Continue with WQ14.  <input type="checkbox"/> No ⇒ Go to WQ15.</p>		
<p><b>WQ14.</b> Fill, label and store in Ice box 100 mL sterilized bottle from the selected household for duplicate E.Coli testing in laboratory. Label DH-XXX-YY, where XXX is the cluster number and YY is the household number.</p> <p>Sample bottle filled, labelled and stored in Ice box?  <input type="checkbox"/> Bottles filled  <input type="checkbox"/> Bottles labelled (Write the label written on the sample bottles)      <math>\frac{DH}{X X X} - \frac{\quad}{Y Y}</math>  <input type="checkbox"/> Bottle sample preserved</p> <p>If any of above is not checked, administer the sample bottles and check again.</p> <p>Please record the time of sample collection:                      Hour: Minutes      ___ ___ : ___ ___</p>		
<p><b>WQ15.</b> Check WS4 in HOUSEHOLD QUESTIONNAIRE: No time mentioned, number of minutes less than 030 or code circled 998?  <input type="checkbox"/> Yes ⇒ Continue with WQ16.  <input type="checkbox"/> No ⇒ Go to WQ20.</p>		
<p><b>WQ16.</b> CAN YOU PLEASE SHOW ME THE ACTUAL SOURCE WHERE THIS DRINKING WATER WAS COLLECTED FROM SO THAT I CAN TAKE A WATER SAMPLE FROM THIS SOURCE?   If 'no' probe to find out why this is not possible?</p>	<p>Yes.....1  No  Unable to access source.....3  Do not know where source is located..4  Other reason (specify)_____ 6</p>	<p>⇒Go to WQ20  ⇒Go to WQ20  ⇒Go to WQ20</p>
<p><b>WQ17.</b> Using a sample of water taken at the source take a sterile 1 mL syringe and add 1 mL of water to compact dry plate. Close and label S-XXX-YY, where XXX is the cluster number and YY is the household number.  Record whether test was conducted.  Record the time of test if conducted:</p>	<p>Bacterial test conducted.....1  Bacterial test not conducted.....2   Hour: Minutes      ___ ___ : ___ ___</p>	
<p><b>WQ17A.</b> Using a sample of water taken at the source, take 20 mL microbiological testing kit and fill up to mark. Close and label S-XXX-YY, where XXX is the cluster number and YY is the household number.  Record whether test was conducted.  Record the time of test if conducted:</p>	<p>Bacterial test conducted.....1  Bacterial test not conducted..... 2   Hour: Minutes      ___ ___ : ___ ___</p>	
<p><b>WQ18.</b> Check WQ6A: Has this source for household been selected for duplicate water sample collection for E.Coli testing?  <input type="checkbox"/> Yes ⇒ Continue with WQ19.  <input type="checkbox"/> No ⇒ Go to WQ20.</p>		

**WQ19.** Fill, label and store in Ice box 100 mL sterilized bottle from the source of selected household for duplicate E.Coli testing from laboratory. Label DS-XXX-YY, where XXX is the cluster number and YY is the household number.

Sample bottle filled, labelled and stored in Ice box:

Bottles filled

Bottles labelled (Write the label written on the sample bottles)

DS -             -          
X X X - Y Y

Bottle sample preserved

If any of above is not checked, administer the sample bottles and check again.

Please record the time of sample collection: Hour: Minutes         :        

**WQ20.** Check WQ7: Has this household been selected for blank testing?

Yes⇒ Continue with WQ21.

No⇒ Go to WQ22.

**WQ21.** Under Supervisor's or Editor's observations perform blank test for E. coli.

Using a sample of distilled water, take a sterile 1 mL syringe and add 1 mL of water to compact dry plate.

Close and label B-XXX-YY, where XXX is the cluster number and YY is the household number.

Blank tests for E-Coli conducted

Blank tests for E-Coli **not** conducted

Record the time of blank test if conducted. Hour: Minutes         :        

**WQ21A.** Under Supervisor's or Editor's observations perform blank test for E.Coli. Using a sample of distilled water, take 20 mL microbiological testing kit and fill up to mark. Close and label B-XXX-YY, where XXX is the cluster number and YY is the household number.

Blank test for E-Coli conducted

Blank test for E-Coli **not** conducted

Record the time of blank test if conducted. Hour: Minutes         :        

**WQ21B.** Under Supervisor's or Editor's observations fill, label and preserve 3 sample bottles with distilled water for laboratory tests. Label B-XXX-YY, where XXX is the cluster number and YY is the household number.

Sample bottle filled, labelled and preserved?

Bottles filled

Bottles labelled (Write the label written on the sample bottles)

B -             -          
X X X - Y Y

Bottle sample preserved

If any of above is not checked, administer the sample bottles and check again.

Please record the time of sample collection: Hour: Minutes         :

**WATER QUALITY TESTING RESULTS**
**WQ**
**WQ22.** Thank the respondent, finish the interview.

Record the results after 24-48 hours of incubation of water samples.

Day/Month/Year of recording test results: \_\_\_\_ / \_\_\_\_ / 2014

Record the time of results recording. Hour: Minutes \_\_\_\_ : \_\_\_\_

**Results of household water sample**

<b>WQ23.</b> Record the label of E.Coli Dry Plate for household.	H - [ ] [ ] [ ] [ ] - [ ] [ ] [ ]	
<b>WQ24.</b> Record number of red colonies in 1 mL household water sample  If less than 1, record '000', If more than 100, record '101'. If lost/spoiled/impossible to read test, record 999	[ ] [ ] [ ]	
<b>WQ25</b> Record number of blue colonies in 1 mL household water sample  If less than 1, record '000', If more than 100, record '101'. If lost/spoiled/impossible to read test, record 999	[ ] [ ] [ ]	
<b>WQ25A.</b> Check the colour of water sample taken in 20 mL microbiological testing kit from household and record observation.  Has colour of sample changed?	Yes, colour changed..... 1 No change in colour ..... 2 Reading cannot be taken ..... 3	

**Results of source water sample**

<b>WQ26.</b> Record the label of E.Coli Dry Plate for the source.	S - [ ] [ ] [ ] [ ] - [ ] [ ] [ ]	
<b>WQ27.</b> Record number of red colonies in 1 mL source water sample  If less than 1, record '000', more than 100, record '101'. If lost/spoiled/impossible to read test, record '999'.	[ ] [ ] [ ]	
<b>WQ28.</b> Record number of blue colonies in 1 mL source water sample  If less than 1, record '000', more than 100, record '101'. If lost/spoiled/impossible to read test, record '999'.	[ ] [ ] [ ]	
<b>WQ28A.</b> Check the colour of water sample taken in 20 mL microbiological testing kit from source water and record observation.  Has colour of sample changed?	Yes, colour changed ..... 1 No change in colour ..... 2 Reading cannot be taken ..... 3	

Results of Blank water sample											
<b>WQ29</b> Record the label of E.Coli Dry Plate for Blank sample.	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="width: 20px; height: 20px; text-align: center;">B</td> <td style="width: 20px; height: 20px; text-align: center;">-</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px; text-align: center;">-</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>	B	-					-			
B	-					-					
<b>WQ30</b> Record number of red colonies in 1 mL blank sample If less than 1, record '000', more than 100, record '101'. If lost/spoiled/impossible to read test, record '999'.	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="width: 30px; height: 20px;"></td> <td style="width: 30px; height: 20px;"></td> <td style="width: 30px; height: 20px;"></td> </tr> </table>										
<b>WQ31</b> Record number of blue colonies in 1 mL blank sample If less than 1, record '000', more than 100, record '101'. If lost/spoiled/impossible to read test, record '999'.	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="width: 30px; height: 20px;"></td> <td style="width: 30px; height: 20px;"></td> <td style="width: 30px; height: 20px;"></td> </tr> </table>										
<b>WQ31A.</b> Check the colour of water sample taken in 20 mL microbiological testing kit using distilled water and record observation. Has colour of sample changed?	Yes, colour changed ..... 1 No change in colour ..... 2 Reading cannot be taken ..... 3										

**WQ32.** Check WQ11: Bacterial test conducted?  
 Results of E.Coli at WQ23, WQ24 and WQ25 have been recorded.

Check WQ11A: Bacterial test conducted?  
 Results of E.Coli at WQ25A have been recorded.

Check WQ17: Bacterial test conducted?  
 Results of E.Coli at WQ26, WQ27 and WQ28 have been recorded.

Check WQ17A: Bacterial test conducted?  
 Results of E.Coli at WQ28A have been recorded.

Check WQ21: Blank tests for E-Coli conducted?  
 Results of E.Coli at WQ29, WQ30 and WQ31 have been recorded.

Check WQ21A: Blank tests for E-Coli conducted?  
 Results of E.Coli at WQ31A have been recorded.

Check WQ16: If response circled is 3 or 4 or 6:  
 Go to WQ8 and circle 3.

Return to the cover page and make sure that the result of the water quality questionnaire (WQ8) is entered.

**Measurer's Observation**  
*(observations or specific indications regarding the samples)*