Storage and disposal

The Sulfur Mustard Detector should be stored at temperatures of +5°C to +25°C. Please do NOT FREEZE the Sulfur Mustard Detector. Used and expired tests shall be disposed of in the residual waste. Please respect the applicable disposal rules.

Transportation and test implementation

During transportation, the Sulfur Mustard Detector shall be stored at +5°C to +35°C for a maximum of 3 days. If used during rain or snow, the Sulfur Mustard Detector shall be protected from humidity. The analysis shall be conducted at +5°C to +40°C. For temperatures below +5°C, the closed test shall be heated, for example in the hands.

Quality control

The Sulfur Mustard Detector contains an integrated control line. The control line displays functionality and the correct performance of the test.

Performance data sheet

<table>
<thead>
<tr>
<th>Substance</th>
<th>Cut-off*</th>
<th>Number of tests (N)</th>
<th>Sensitivity [%]</th>
<th>Specificity [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfur Mustard</td>
<td>2 mM</td>
<td>20</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

The sensitivity is determined by the manufacturer by means of dilution series with defined Sulfur Mustard concentrations. Starting material was an 8 M solution, whose concentration had been determined by means of NMR (Nuclear Magnetic Resonance). The specificity was determined by wiping test on non contaminated skin surface.

* The Cut-off is defined as a value where all conducted tests show a positive result.

Cross reactions

The substances that produce cross reactions in the Sulfur Mustard Detector were analyzed in the manufacturer’s laboratory. A complete list of substances with cross reactions can be provided upon request.

Ordering information

<table>
<thead>
<tr>
<th>Item no.</th>
<th>Test</th>
</tr>
</thead>
<tbody>
<tr>
<td>LS-01.CE</td>
<td>Sulfur Mustard Detector</td>
</tr>
<tr>
<td></td>
<td>Proof of skin contamination with the chemical weapon mustard gas</td>
</tr>
</tbody>
</table>

Further products

NEW - Blood test for cholinesterase inhibition in the field

- Detects organophosphate intoxications
- Simple finger tip testing method
- Reliable results in only 4 minutes
- Aids for diagnosis and therapy

Wiping test to detect Sulfur Mustard on skin surface

Item no. LS-01.CE
Test Interpretation

The evaluation window shows a control line and a test line. They correspond to the following acronyms:

- CL Control line
- TL Test line

**Negative result = no Sulfur Mustard**
- The test is valid if the control line turns red. The test is negative for Sulfur Mustard if the test line does not turn red.

**Positive result = Sulfur Mustard**
- The test is valid if the control line turns red. The test is positive for Sulfur Mustard if the test line turns red as well.

**Invalid result**
- The test is invalid if the control line does not turn red. Please repeat analysis with another Sulfur Mustard Detector.

*Note:* The test is also positive if the test line is only slightly red or if the red color is incomplete. Please let the test develop for 10 minutes before starting the evaluation.

Precautions

- Please wear appropriate protection equipment to carry out analysis if necessary.
- Please evaluate test with sufficient lighting, e.g. using a torch.
- Please be aware that red-green defective vision can hamper a correct test evaluation.