

### Labelling cards for the antigen rapid test model

<p>Sample pad</p>	<p>Serves as a preliminary filter to eliminate pollutants from the applied sample.</p> <p>In some tests, the sample pad already contains a buffer solution that can be released to achieve the ideal pH level of the immunological reaction.</p>
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<p>Conjugate pad</p>	<p>Contains antibodies connected to colloidal gold (red colour), the so-called antibody–gold complex.</p> <p>This antibody–gold complex binds to the antigen of the virus, if present in the sample.</p> <p>Not all the antibody–gold complexes bind to an antigen!</p>
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<p>Test line (T)</p>	<p>This part contains immobilized antibodies that specifically bind to the <b>antigens of the coronavirus.</b></p>
<p>Control line (C)</p>	<p>This part contains immobilized antibodies that specifically bind to the <b>antibody–gold complex.</b></p>

Absorbent pad	Absorbs the excess sample solution to ensure an accurate test result.
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<p>Coronavirus</p>	<p>In the case of infection, the sample contains coronavirus particles. They consist of DNA/RNA and proteins. Antigens (proteins) are located on their surface.</p> <p>When these antigens encounter an antibody, they connect to each other based on the <b>lock-and-key principle</b>. The resulting complex is called the immune complex.</p>
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