



**SWISS
MADE**

COVID-19 Antibody verification after Vaccination



REF LSB-CoV-ST

IVD

COVID-19 Antibody verification

Fast COVID-19 IgM/IgG Antibody Detection Kit (Colloidal gold)

IVD test for self-testing for the detection of IgG and IgM antibodies in the blood, thus proving active or past infection SARS-CoV-2/COVID-19.

Fast, immunochromatographic test based on colloidal gold.

Why to use COVID-19 Antibody detection test?



Verify that COVID-19 vaccine has been effective and created antibodies in organism. (Am I protected?)



All in one package including all necessary test components delivered in 2 pieces or 5 pieces boxes.



Detecting presence of COVID-19 antibodies after vaccination (Pfizer, Moderna, Astra Zeneca).



Certified for self-testing for home use under 98/79EC. Easy use. Comfortable use for end users. Effective screening of antibodies.

IgG Specificity 100%
IgG Sensitivity 100%*

 **LOMINA**
WWW.LOMINA.CH

**SELFTEST
HOME USE**

CONTACTS:



LOMINA A.G. - Switzerland

LOMINA SUPERBIO a.s. - Czech Republic
ivd@lomina.ch

www.lomina.ch

+420 722 633 203

CE 2854

* based on clinical results completed by the National Health Institute on 5 different LOTs and latest 1400 samples



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1 test EAN13 BAR code
(used up on request)



2 tests package
EAN13 BAR code



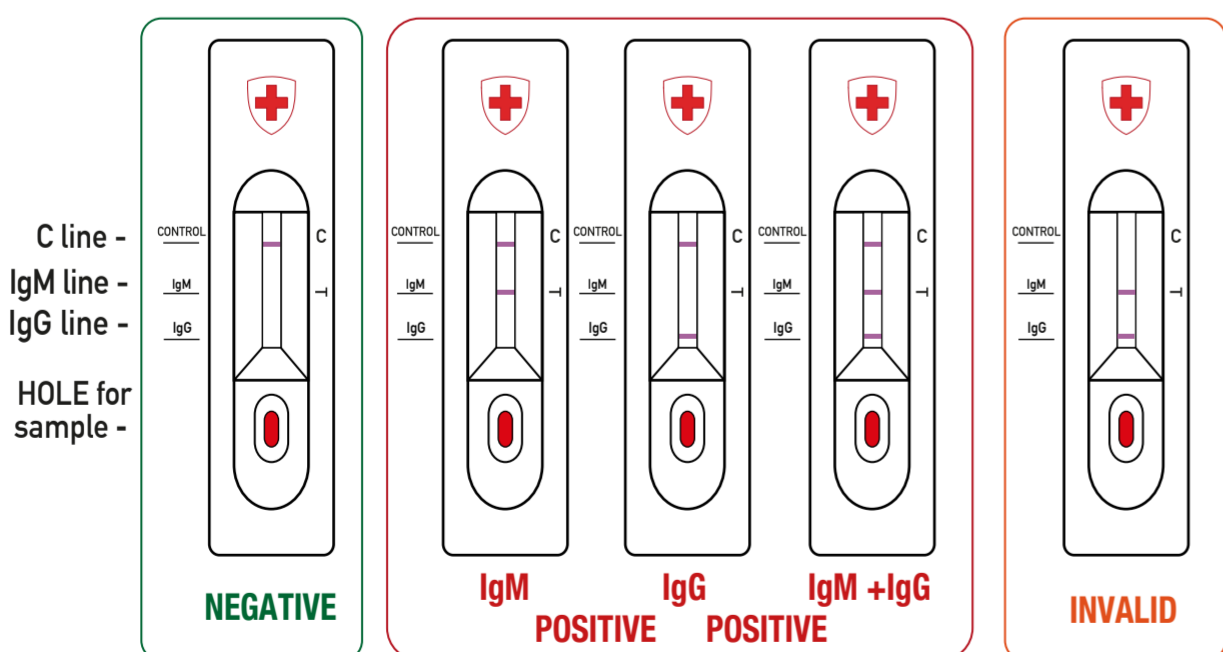
5 tests package
EAN13 BAR code



9x 2 tests package paper
standup (18 tests)
EAN13 BAR code

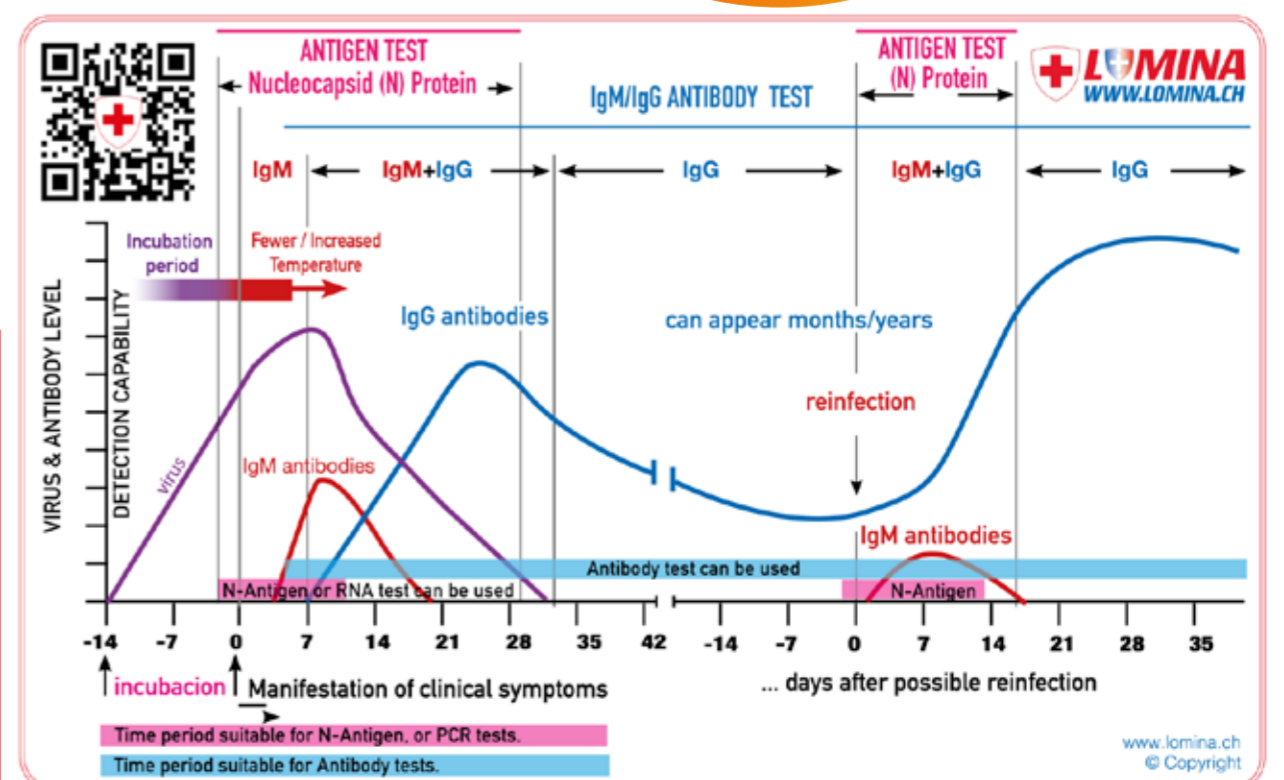
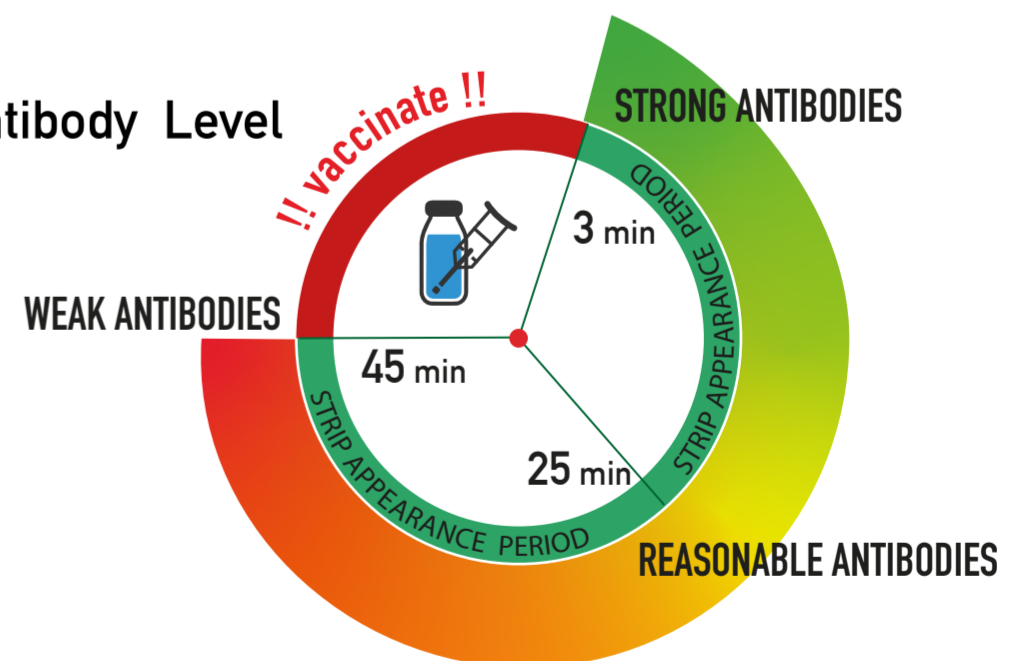


INTERPRETATION

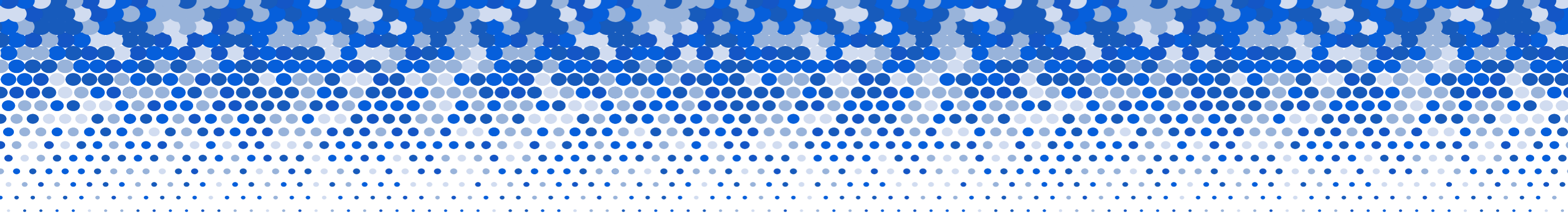


Combined Specificity/Sensitivity: 97.32%/93.54% (last batch testing in the laboratory 100%/100%).

INDICATIVE IgG Antibody Level INTERPRETATION



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WIDE RANGE OF FLUORESCENT IVDS
FULLY COMPATIBLE WITH LSLC-20



INFLUENZA A
INFLUENZA B
COV-2 ANTIGEN
COVID19 ANTIBODY

D-DIMER TEST
MYOGLOBIN (MYO) TEST
VITAMIN D TEST
25-HYDROXY VITAMIN D3 (25-OH-D3) TEST
CREATINE KINASE ISOENZYME MB (CK-MB) TDEST
C - REACTIVE PROTEIN (CRP) TEST

CARDIAC TROPONIN I (CTNI) TEST
FERRITIN (FER) TEST
HUMAN N-MIDDLE OSTEOCALCIN (N-MID OT) TEST
N-TERMINAL PRO-BRAIN NATRIURETIC PEPTIDE (NT-PROBNP) TEST
PROCALCITONIN (PCT) TEST
PARATHYROID HORMONE (PTH) TEST

FLUORESCENT CHROMATOGRAPHIC TEST ANALYZER

FLUORESCENT READER LSLC-20

The LSLF-20 analyser is designed for sensitive reading of results and interpretation of IVD tests of the company LOMINA SUPERBIO a.s. working on the principle of detection of nanofluorescent spheres in the immuno-chromatographic reaction.

Detection capability
from 5ng/ml
Universal IVDD*



WHAT ARE THE MAIN BENEFITS OF LSLC-20?



When using LSLC-20, it is certain that the test result will be evaluated correctly with high sensitivity.



Evaluation of the prepared sample within 20 seconds. Comfortable use for end users very simple and intuitive operation.



Possibility to store, share and print test results including the test date and initials of the tested person. Possibility of online training, including a final test with the award of a certificate.



Registered as IVD Other category under 98/79/EC. Easy use. Comfortable use for end users. Free of charge reader with >5.000 IVDs.



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* IVDD = in vitro diagnostic device

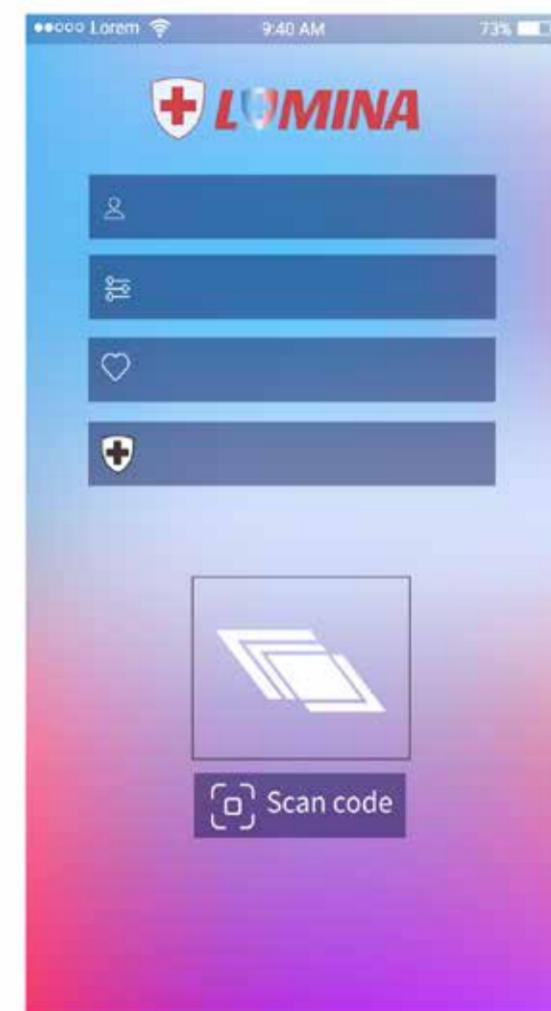


IVDD

CE



MOBILE PHONE
AND PC INTEGRATED



REF LSLC-60

**WIDE RANGE OF FLUORESCENT IVDS
FULLY COMPATIBLE WITH LSLC-60**



INFLUENZA A
INFLUENZA B
COV-2 ANTIGEN
COVID19 ANTIBODY

D-DIMER TEST
MYOGLOBIN (MYO) TEST
VITAMIN D TEST
25-HYDROXY VITAMIN D3 (25-OH-D3) TEST
CREATINE KINASE ISOENZYME MB (CK-MB) TDEST
C - REACTIVE PROTEIN (CRP) TEST

CARDIAC TROPONIN I (CTNI) TEST
FERRITIN (FER) TEST
HUMAN N-MIDDLE OSTEOCALCIN (N-MID OT) TEST
N-TERMINAL PRO-BRAIN NATRIURETIC PEPTIDE (NT-PROBNP) TEST
PROCALCITONIN (PCT) TEST
PARATHYROID HORMONE (PTH) TEST

FLUORESCENT CHROMATOGRAPHIC TEST ANALYZER

FLUORESCENT READER LSLC-60

The LSLC-60 analyser is designed for sensitive reading of results and interpretation of IVD tests of the company LOMINA SUPERBIO a.s. working on the principle of detection of nanofluorescent spheres in the immuno-chromatographic reaction.

WHAT ARE THE MAIN BENEFITS OF LSLC-60?



When using LSLC-60, it is certain that the test result will be evaluated correctly with high sensitivity.



Evaluation of the prepared sample within 20 seconds. Comfortable use for end users very simple and intuitive operation.



Possibility to store, share and print test results including the test date and initials of the tested person. Possibility of online training, including a final test with the award of a certificate.



Registered as IVD Other category under 98/79/EC. *
Easy use. Comfortable use for end users.
Free of charge reader with >5.000 IVDs.

5ng/ml
Detection capability
Mobilephone App



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CE

* IVDD = in vitro diagnostic device

SARS-CoV-2 N-Protein Antigen Rapidtest



NANO FLUORESCENCE

REF LA-CoV-AG



SARS-COV-2 Antigen tests

SARS-CoV-2 N-Protein Antigen Rapidtests (nanofluorescent chromatography)

Intended for qualitative detection of the new Nucleocapsid (N) Antigen of the coronavirus SARS-CoV-2 in human oropharyngeal swab samples in vitro.

Easy & comfortable use for end users.

Why to use SARS-CoV-2 N-Capsid Antigen detection test?



Early detection indicator for suspicious SARS-CoV-2/ COVID-19 cases.
Painless pharyngeal swab sampling method.



50 pieces packages (25 or 81 pieces package up on demand).



Rapid test that is using nanofluorescent spheres as marking media. Manual interpretation using UV Lamp or using semi-automatic method trough LSLC-20/60.



Approved for self-testing for home use on the basis of a temporary exception of Ministry of Health of the Czech Republic. Certified as IVD-Other under 98/79/EC.

THERMALLY STABLE FORMULA 4°C \rightarrow 30°C

Specificity: 98.61%

Sensitivity: 91.29%



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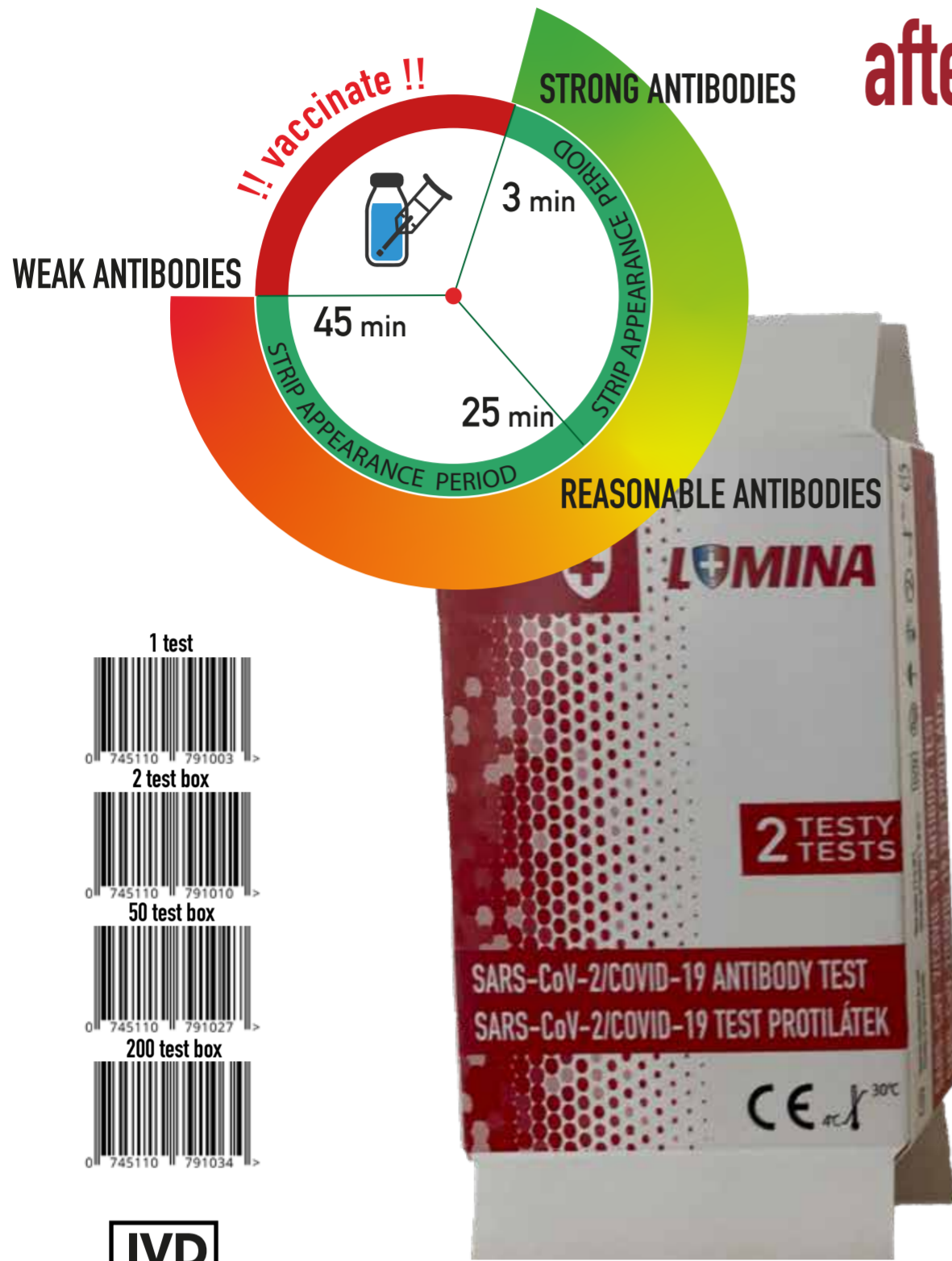
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COVID-19 Antibody presence verification after Infection or Vaccination



REF L-CoV-Profi21

COVID-19 Antibody verification

LOMINA COVID-19 Antibody Test

IVD Other category test designed based on Lomina's successful self-testing for the detection of IgG and IgM antibodies in the blood, serum or plasma.

Fast, immunochromatographic test based on colloidal gold designed to verify the level of Antibodies essential for protection from COVID-19.

Why to use LOMINA COVID-19 Antibody detection test?



Verify that COVID-19 vaccine has been effective and created antibodies in organism. Check whether your antibodies after infection are still strong enough. (Am I protected?)



All in one package including all necessary test components delivered in 2 pieces or 5 pieces boxes.



Detecting presence of COVID-19 antibodies after vaccination (Tested vaccines: Pfizer/Biontech, Moderna, Astra Zeneca, Sputnik-V).



Certified for medical professionals use under 98/79/EC. Easy and comfortable use. Effective screening of antibodies.

Antibody

IgG Specificity 100%*

IgG Sensitivity 100%*



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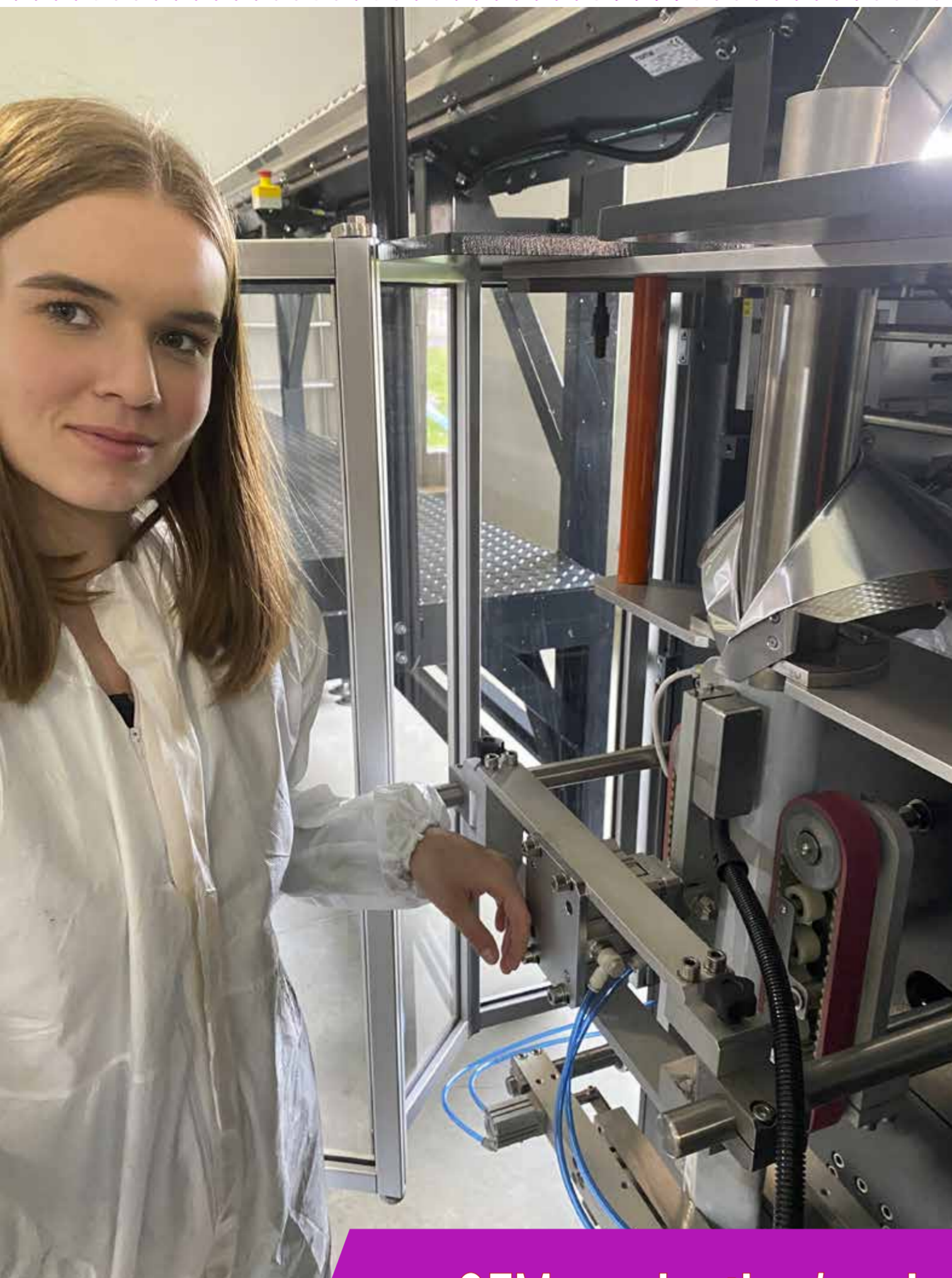
ISO 13485

MEDICAL DEVICES



UKAS
MANAGEMENT SYSTEMS

015



OEM production/packaging under ISO 13485

IVD CHROMATOGRAPHIC TESTS OEM PRODUCTION



LOMINA group has been producing several OEM IVD tests for corporate customers including pharmacies and retail chains. Please contact LOMINA Product management department for available OEM products.

PACKING AND DISTRIBUTION OF MEDICAL PRODUCTS, COSMETICS, SPORTS AIDS & SIMILAR SENSITIVE ITEMS.



ISO 13485 certified process.



Fast machinery - production capacity up to 100.000 thousand packages per day.



Solid material filling. Multiple component packing.



Packaging into PET/ALx/PE foils and similar sealing foils on modern automated machines.



Wide range of box dimensions, labeling and automated output product quality control (weight/Xray).



Marketing/Design department support.
Printing facility support.

OEM Production of IVD Medical Devices OEM Packing



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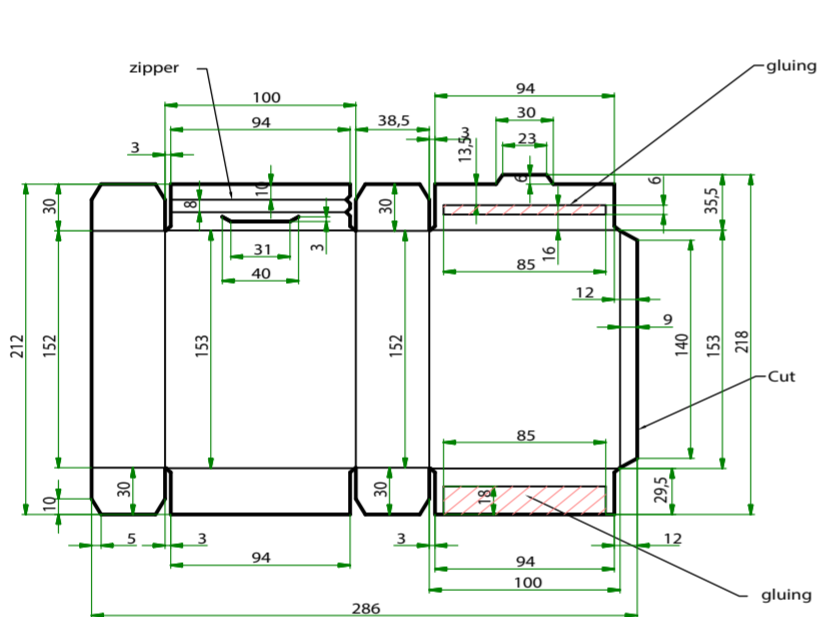
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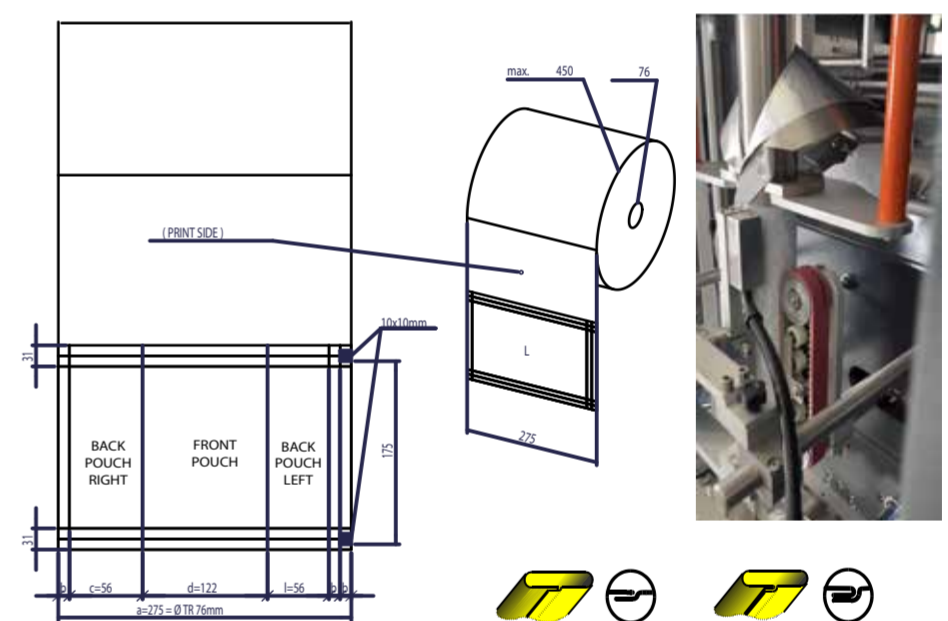




VARIABLE SIZE OF PAPER BOXES



VARIABLE TYPE OF MATERIALS AND OF A SIZE OF SEALING POUCHES INCLUDING A CUSTOM PRINT



Lomina group is a traditional European manufacturer of In Vitro diagnostic devices.

Swiss-Czech ownership and corporate structure ensures high-quality and efficient production processes within ISO-certified procedures.

The production facilities are located mainly in the Czech Republic with complete machinery, which allows both the variability of manufactured medical devices and sufficient production capacity.

Due to the growing demand for private label products, our company offers experience, precision, high quality production, including the processing of the necessary documentation, or graphic designs of OEM products in the field of IVD devices.

Offered OEM products can be manufactured based on existing recipes of the current production portfolio of our company.

The company is also ready to provide research and professional capacities for the design and preparation of new IVD devices, according to customer requirements.

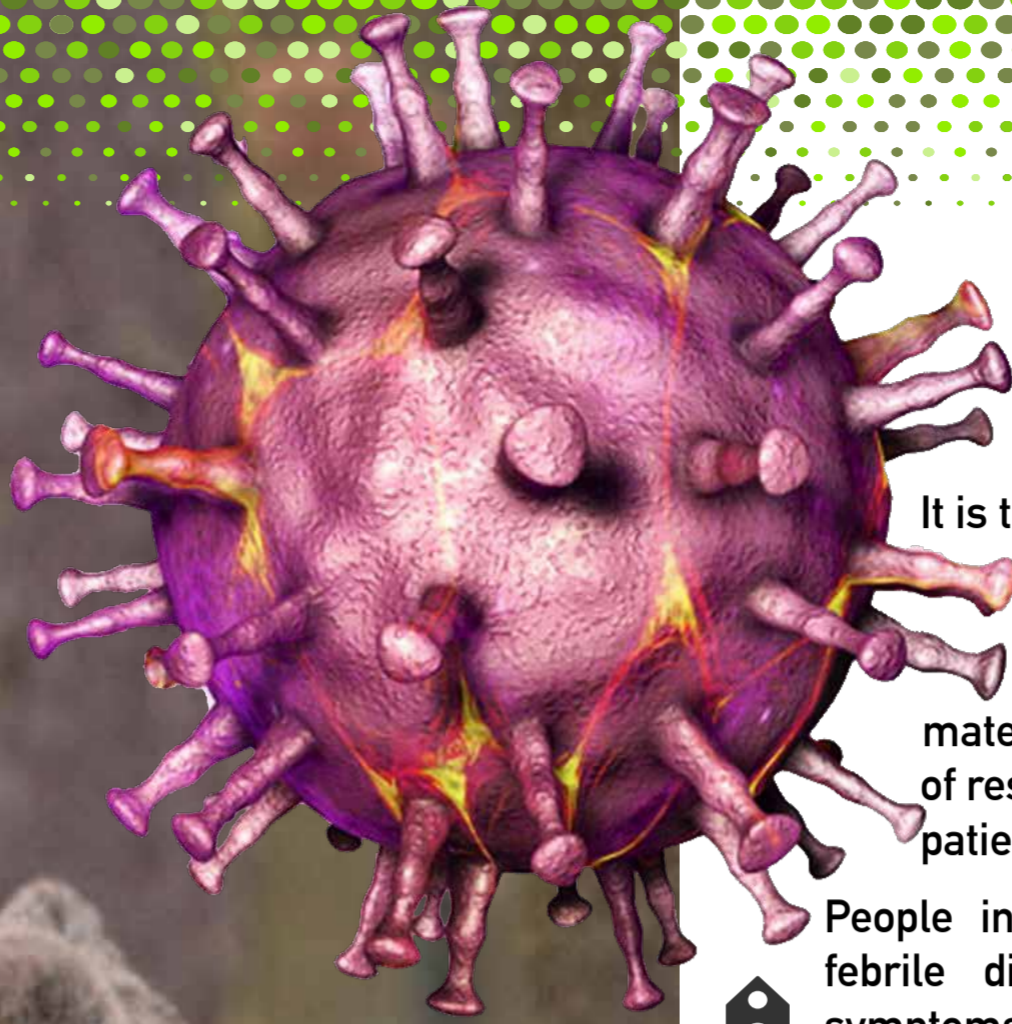
In addition to the complete production of IVD devices, the company has sufficient capacity to offer partial production in various production activities from filling small volume solutions, machine packaging into primary (PET / AL / PE) and secondary packaging (boxes of various sizes), including labelling, printing, and other services.

Tubus diameter [mm]	Option A		Option B	
	Both sides sealing [mm]		One side sealing folie [mm]	
	~size of a Pouch [mm]			
	Foil width +/- 3mm			
Tubus diameter [mm]	Option A Both sides sealing [mm]	Option B One side sealing folie [mm]	~size of a Pouch [mm]	
22	85	95	35	
26.9	100	110	42	
30	110	120	47	
38	140	150	60	
40	145	155	65	
42.4	150	160	69	
45	160	170	73	
48.3	170	180	78	
50	175	185	81	
52	180	195	84	
54	185	200	87	
57	195	210	92	
60.3	210	225	97	
63.5	220	235	102	
70	235	250	112	
76.1	255	275	122	
80	270	285	128	
85	290	305	136	
88.9	300	315	142	
101.6	340	355	162	
104	345	365	166	
108	360	375	172	
114.3	380	395	182	
129	425	440	205	
139.7	465	480	222	
154	505	520	244	
168.3	555	565	267	



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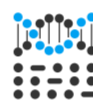


AFRICAN SWINE FEWER

African Swine Plague (also fewer or flu) is caused by the bacteria *Yersinia pestis*. It is transmitted between animals through fleas. Humans can be infected through the bite of infected vector fleas, unprotected contact with infectious bodily fluids or contaminated materials (blood, saliva etc.), and the inhalation of respiratory droplets/small particles from a patient with pneumonic plague.



People infected with plague usually develop acute febrile disease with other non-specific systemic symptoms after an incubation period of one to seven days, such as sudden onset of fever, chills, head and body aches, and weakness, vomiting and nausea.



LOMINA ASFv Test adopts the highly specific antibody and antigen with immune chromatography analysis technology, through the high purity of African swine fever virus Colloidal Gold-labelled antibody combining pig African swine fever virus in the blood and the principle of a color on the strip Hole after adding sample test card and analyte, sample will be (under a capillary action) moving forward along the test card inside high quality NC membrane. If the sample contains African swine fever virus (ASFv), the virus will create immunocomplex with colloidal gold marked specific ASFV antibody, by transiting trough the NC membrane is initiated chromatography reaction, and antigen dispensed on the membrane will bind ASFV signaled antibody. The membrane contains the T strip for a test result and the C strip as a control strip to prove that the test result is positive.



African Fewer/Plague Antibody tests



FAST - RESULTS IN 15-20 MIN



ALL-IN-ONE PACKAGE IN EVERY TEST PACK



EASY INTERPRETATION



Exclusively made for
TETRAO A.S. Slovakia

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