

## PRODUCT CATALOGUE

- Fluoro-Check™
- Fluoro-Checker™ TRF Reader
- Nano-Check™
- Nano-Checker 710 Reader







About Nano-Ditech Corp.

# About us

Founded in 2002, Nano-Ditech Corp. specializes in the development and manufacturing of high quality immuno-diagnostic products to serve the Point-Of-Care market including medical professionals, physicians, clinical laboratories and hospitals. We focus on POCT immunoassays for detection of various marker for drugs of abuse, infectious diseases, inflammatory and cardiovascular diseases. Nano-Ditech's key workforce has extensive experience in the *in-vitro* diagnostics field and utilizes its experience to satisfy the customer needs by ensuring the highest level of product quality.

Nano-Ditech is one of the first companies to develop the high-sensitive Europium-based Time Resolved Fluorescence (TRF) Immunoassay. This New Generation technology will further strengthen our competitiveness in the market and improve the quality of patient's healthcare by providing confidence to those making clinical decision using our products.



## Nano-Check™ COVID-19 Antigen Test



- Sensitivity: 92.11%, Specificity: 100.0%
- Rapid results in 15 minutes
- No equipment required
- SARS-CoV-2 Virus Detection
- Room temperature storage (2-30°C)



### Clinical performance

Nano-Check™ COVID-19 Ag	Comparator RT-PCR		Total
	Positive	Negative	
Positive	35	0	35
Negative	3	79	82
Total	38	79	117

- Positive Percent Agreement (PPA) : 35/38 (92.11%, 95% CI : 79.20-97.28%)
- Negative Percent Agreement (NPA) : 79/79 (100.0%, 95% CI : 95.36-100.0%)
- Overall Percent Agreement (OPA) : 114/117 (97.44%, 95% CI : 92.73-99.12%)

### Order information

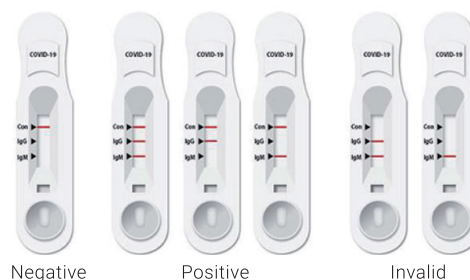
Catalog No.	Product Name	Sample types	Package	Storage condition	Shelf life
ND-MD8147	Nano-Check™ COVID-19 Antigen Test	Nasopharyngeal Swab, VTM	20 tests/box	2°C-30°C	15 months



### Interpretation

- \* C : Control Line
- \* Ag : Test Line

## Nano-Check™ COVID-19 IgG/IgM Antibody Test



- Sensitivity: 97.78%, Specificity: 98.00%
- Rapid results in 10 minutes
- No equipment required
- SARS-CoV-2 IgG & IgM Antibody Detection
- Room temperature storage (2-30°C)

### Clinical performance

Nano-Check™ COVID-19 IgG/IgM Antibody	Comparator RT-PCR		Total	
	Positive	Negative		
Positive	IgM+/IgG+	38	0	38
	IgM+/IgG-	0	2	2
	IgM-/IgG+	6	0	6
Negative	IgM-/IgG-	1	98	99
	Total	45	100	145

- Positive Percent Agreement (PPA) : 44/45 (97.78%, 95% CI : 88.43-99.61%)
- Negative Percent Agreement (NPA) : 98/100 (98.0%, 95% CI : 93.00-99.45%)
- Overall Percent Agreement (OPA) : 142/145 (97.93%, 95% CI : 94.09-99.29%)

### Order information

Catalog No.	Product Name	Sample types	Package	Storage condition	Shelf life
ND-MD8145	Nano-Check™ COVID-19 IgG/IgM Antibody Test	Whole blood, Plasma, Serum	20 tests/box	2°C-30°C	15 months





# Fluoro-Checker™ TRF Reader

Eu-based TRF Immunoassay

Specifications	
<b>System</b>	<ul style="list-style-type: none"><li>• OS: Linux</li><li>• Memory: &gt; 10,000 tests</li></ul>
<b>Interface</b>	<ul style="list-style-type: none"><li>• 10" color LCD touchscreen</li><li>• 4 USB / Ethernet port</li><li>• LIS / HIS support</li><li>• WiFi (Optional)</li><li>• Internal printer / External printer (Optional)</li><li>• Barcode scanner (Optional)</li></ul>
<b>QC / Calibration</b>	<ul style="list-style-type: none"><li>• Internal Quality Control (IQC)</li></ul>
<b>Analyzer</b>	<ul style="list-style-type: none"><li>• Operating Temp (°C) : 10 - 40</li><li>• Dimension (mm) : 300(W) x 210(D) x 191(H)</li><li>• Weight (kg) : 2.0</li><li>• Catalogue No: TRF101</li></ul>

Fluoro-Checker™ TRF Reader is compatible with all Fluoro-Check™ devices and provides quantitative assessment by capturing and analyzing images of lateral-flow immunochromatography.

Accurate and reliable rapid diagnosis is possible through highly sensitive image analysis. Operated

by user-friendly software and efficient data management platform, FluoroChecker™ TRF Reader will provide a cost-effective Point-of-Care-Testing solutions for primary screening at emergency rooms, hospitals, laboratories, and physician offices.

## Main Features

- Quantitative testing solution
- User friendly software
- Quick and accurate results
- No calibration or maintenance required
- Remote access for repair service
- Touch screen operation
- 10-inch monitor
- Portable access
- Real-time display to printer or computer
- Internal and external barcode scanner for device and patient information





# Fluoro-Check™

## Fluoro-Check™ AMI cTnI



- Catalog No.: ND-TF3151
- Quantitative
- Sample Type : Whole Blood, Plasma, Serum
- Sample Volume : 80 µl
- Test Time : 15 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 12 months
- Measuring Range : 0.03-30 ng/mL

## Fluoro-Check™ AMI 3 IN 1 (cTnI, CK-MB, Myo)



- Catalog No.: ND-TF3154
- Quantitative
- Sample Type : Whole Blood, Plasma, Serum
- Sample Volume : 80 µl
- Test Time : 15 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 12 months
- Measuring Range: cTnI : 0.03-30 ng/mL, CK-MB : 2-200 ng/mL, Myo : 10-500 ng/mL

## Fluoro-Check™ NT-proBNP



- Catalog No.: ND-TF3152
- Quantitative
- Sample Type : Whole Blood, Plasma, Serum
- Sample Volume : 80 µl
- Test Time : 15 min
- Storage : Room Temperature (2-30 °C)
- Shelf life : 15 months
- Measuring Range : 20-12,800 pg/mL

## Fluoro-Check™ D-Dimer



- Catalog No.: ND-TF3162
- Quantitative
- Sample Type : Whole Blood, Plasma
- Sample Volume : WB: 10 µl, Plasma: 5 µl
- Test Time : 15 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 15 months
- Measuring Range : 120-4,400 ng/mL

## Fluoro-Check™ CRP



- Catalog No.: ND-TF3163
- Quantitative
- Sample Type : Whole Blood, Plasma, Serum
- Sample Volume : 2 µl
- Test Time : 5 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 12 months
- Measuring Range : 0.10-150 µg/mL

## Fluoro-Check™ PCT



- Catalog No.: ND-TF3161
- Quantitative
- Sample Type : Whole Blood, Plasma, Serum
- Sample Volume : WB: 20 µl, Plasma/Serum: 10 µl
- Test Time : 15 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 15 months
- Measuring Range : 0.07-30 ng/mL

## Fluoro-Check™ β-hCG



- Catalog No.: ND-TF8146
- Quantitative
- Sample Type : Whole Blood, Plasma
- Sample Volume : 80 µl
- Test Time : 10 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 12 months
- Measuring Range : 2-500 mIU/mL

## Fluoro-Check™ iFOB



- Catalog No.: ND-TF8145
- Qualitative
- Sample Type : Stool
- Sample Volume : 80 µl
- Test Time : 5 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 12 months
- Measuring Range : 25-1,000 ng/mL

## Fluoro-Check™ Vitamin D



- Catalog No.: ND-TF8148
- Quantitative
- Sample Type : Serum, Plasma
- Sample Volume : 80 µl
- Test Time : 10 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 12 months
- Measuring Range : 9-85 ng/mL

## Fluoro-Check™ Influenza A+B



- Catalog No.: ND-TF8147
- Qualitative
- Sample Type : Nasal swab
- Test Time : 10 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 12 months

## Fluoro-Check™ COVID-19 Ag



- Catalog No.: ND-TF8150
- Qualitative
- Sample Type : Nasopharyngeal swab, VTM
- Test Time : 15 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 12 months
- PPA: 90.0%, NPA: 100.0%



# Nano-Checker 710 Reader

Colloidal Gold Immunoassay

## Specifications

<b>System</b>	<ul style="list-style-type: none"> <li>• OS: Linux</li> <li>• Memory: &gt; 10,000 tests</li> </ul>
<b>Interface</b>	<ul style="list-style-type: none"> <li>• 10" color LCD touchscreen</li> <li>• 4 USB / Ethernet port</li> <li>• LIS / HIS support</li> <li>• WiFi (Optional)</li> <li>• Internal printer / External printer (Optional)</li> <li>• Barcode scanner (Optional)</li> </ul>
<b>QC / Calibration</b>	<ul style="list-style-type: none"> <li>• QC / Calibration Reference cassette</li> </ul>
<b>Analyzer</b>	<ul style="list-style-type: none"> <li>• Operating Temp (°C) : 10 - 40</li> <li>• Dimension (mm) : 300(W) x 210(D) x 191(H)</li> <li>• Weight (kg) : 1.9</li> <li>• Catalogue No : NDT710</li> </ul>

## Main Features

- Quantitative & Qualitative testing solution
- User friendly software
- Quick and accurate results
- Digital imaging system
- Internal validity test
- Touch screen operation
- Bidirectional link to LAB, EDP or LIS system
- Portable access
- Real-time display to printer or computer
- Multi analysis Platform

Nano-Checker 710 analyzes the optical densities of the test line on tested Nano-Check™ devices and converts them to a concentration value. It is a cost effective Point-of-Care Testing testing solution for primary screening at emergency rooms and physician offices. Nano-Checker 710 is operated by user-friendly software that provides a convenient and efficient data management platform to the use.

## Applicable Tests

- Cardiovascular Disease Test : Nano-Check™ AMI 3 IN 1, Nano-Check™ AMI 2 IN1, Nano-Check™ AMI cTnI, Nano-Check™ NT-proBNP, Nano-Check™ 4 IN 1, Nano-Check™ D-dimer
- Inflammation/Sepsis Test : Nano-Check™ CRP/hs-CRP, Nano-Check™ PCT
- Drugs/Nicotine Test : Nano-Check™ DAT, Nano-Check™ Nicotine
- Infectious Disease Test: Nano-Check™ COVID-19 IgG/IgM Ab, Nano-Check™ COVID-19 Ag Nano-Check™ Strep A Test (Coming Soon), Nano-Check™ Infeunza A+B Test (Coming Soon)





# Nano-Check™

## Nano-Check™ AMI cTnI



- Catalog No.: ND-CD7140
- Qualitative/Quantitative
- Sample Type : Whole Blood, Plasma, Serum
- Sample Volume : 80 µl
- Test Time : 15 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 15 months
- Measuring Range : 0.1-30 ng/mL

## Nano-Check™ D-Dimer



- Catalog No.: ND-CD7153
- Quantitative
- Sample Type : Whole Blood, Plasma
- Sample Volume : WB (10 µl), Plasma (5 µl)
- Test Time : 15 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 15 months
- Measuring Range : 300-5,000 ng/mL

## Nano-Check™ NT-proBNP



- Catalog No.: ND-CD7154
- Quantitative
- Sample Type : Whole Blood, Plasma, Serum
- Sample Volume : 80 µl
- Test Time : 15 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 15 months
- Measuring Range : 30-15,000 pg/mL

## Nano-Check™ AMI 2 IN 1 (cTnI, Myoglobin)



- Catalog No.: ND-CD202P
- Qualitative/Quantitative
- Sample Type : Whole Blood, Plasma, Serum
- Sample Volume : 80 µl
- Test Time : 15 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 15 months
- Measuring Range : cTnI : 0.1-30 ng/mL, Myoglobin : 20-1,000 ng/mL

## Nano-Check™ AMI 3 IN 1 (cTnI, CK-MB, Myoglobin)



- Catalog No.: ND-CD302P
- Qualitative/Quantitative
- Sample Type : Whole Blood, Plasma, Serum
- Sample Volume : 80 µl
- Test Time : 15 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 15 months
- Measuring Range : cTnI : 0.1-30 ng/mL, CK-MB : 2-200 ng/mL, Myoglobin : 20-1,000 ng/mL

## Nano-Check™ 4 IN 1 (cTnI, CK-MB, Myoglobin, NT-proBNP)



- Catalog No.: ND-CD402P
- Qualitative/Quantitative
- Sample Type : Whole Blood, Plasma, Serum
- Sample Volume : 80 µl
- Test Time : 15 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 15 months
- Measuring Range : cTnI : 0.1 - 30 ng/mL, CK-MB : 2 - 200 ng/mL, Myoglobin : 20 - 1,000 ng/mL, NT-proBNP : 30 - 15,000 pg/mL

## Nano-Check™ hsCRP



- Catalog No.: ND-CD7152
- Quantitative
- Sample Type : Whole Blood, Plasma, Serum
- Sample Volume : WB (10 µl), Plasma/Serum (5 µl)
- Test Time : 15 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 15 months
- Measuring Range : 0.5-20 µg/mL

## Nano-Check™ PCT



- Catalog No.: ND-CD7155
- Quantitative
- Sample Type : Whole Blood, Plasma, Serum
- Sample Volume : 80 µl
- Test Time : 15 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 15 months
- Measuring Range : 0.1-21 ng/mL

## Nano-Check™ CRP



- Catalog No.: ND-CD7151
- Quantitative
- Sample Type : Whole Blood, Plasma, Serum
- Sample Volume : WB (10 µl), Plasma/Serum (5 µl)
- Test Time : 15 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 15 months
- Measuring Range : 2-100 µg/mL

## Nano-Check™ DAT 10M



- Catalog No.: ND-AD101U
- Qualitative (THC/OPI/COC/MET/PCP/BAR/AMP/MDN/TCA/BZO)
- Sample Type : Urine
- Sample Volume : 80 µl
- Test Time : 10 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 15 months

## Nano-Check™ COVID-19 IgG/IgM Ab



- Catalog No.: ND-MD8145
- Qualitative
- Sample Type : Whole Blood, Plasma, Serum
- Sample Volume : WB (10 µl), Plasma/Serum (5 µl)
- Test Time : 10 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 15 months
- PPA : 97.78 % , NPA : 98.0%

## Nano-Check™ COVID-19 Ag



- Catalog No.: ND-MD8147
- Qualitative
- Sample Type : Nasopharyngeal swab, VTM
- Test Time : 15 min
- Storage : Room Temperature (2-30 °C)
- Shelf Life : 15 months
- PPA : 92.11 % , NPA : 100.0%



### About Nano-Ditech Corp.

Nano-Ditech Corp. specializes in the development and manufacturing of high quality Immunodiagnostic products to serve the Point-Of-Care market.  
To discover more, please visit our official global website at [www.nanoditech.com](http://www.nanoditech.com)



+1 609-409-3300



+1 609-409-3377



[info@nanoditech.com](mailto:info@nanoditech.com)



259 Prospect Plains Road, Bldg. K,  
Cranbury, NJ 08512, USA

