

Генеральный директор
ООО «Компания «БиВи»

« 274 »

2022 г.

КУСАЙЛО Р. В.

Фотографические изображения изделия:

Анализатор 5-Diff автоматический гематологический для диагностики in vitro

Shenzhen Dymind Biotechnology Co., Ltd.,
(«Шэньчжэнь Дайминд Биотекнолоджи Ко., Лтд.»), Китай



Общий вид блока анализатора D7-CRP (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения D7-CRP)

Auto Hematology Analyzer

Model: D7-CRP

Power: 100V-240V~ 50/60Hz 250VA

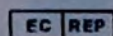


2022-06-09



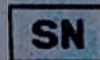
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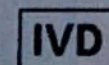
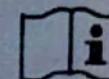


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Общий вид шильдика на блоке анализатора (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения D7-CRP)



Общий вид блока анализатора D2-CRP (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения D2-CRP)

Auto Hematology Analyzer

Model: D2-CRP

Power: 100V-240V~ 50/60Hz 250VA

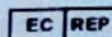


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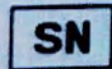
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Общий вид блока анализатора DF50 (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DF50)

Auto Hematology Analyzer

Model: DF50

Power: 100V-240V~ 50/60Hz 200VA



2022-11-03



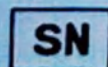
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Общий вид шильдика на блоке анализатора (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DF50)



Общий вид блока анализатора DF51 (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DF51)

Auto Hematology Analyzer

Model: DF51

Power: 100V-240V~ 50/60Hz 200VA



2022-11-03



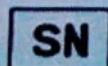
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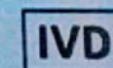


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Общий вид шильдика на блоке анализатора (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DF51)



Общий вид блока анализатора DF53 (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DF53)

Auto Hematology Analyzer

Model: DF53

Power: 100V-240V~ 50/60Hz 200VA



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Общий вид шильдика на блоке анализатора (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DF53)



Общий вид блока анализатора DF55 (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DF55)

Auto Hematology Analyzer

Model: DF55

Power: 100V-240V~ 50/60Hz 200VA



2022-06-10

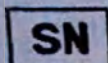


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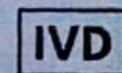
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Общий вид шильдика на блоке анализатора (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DF55)



Общий вид блока анализатора DF56 (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DF56)

Auto Hematology Analyzer

Model: DF56

Power: 100V-240V~ 50/60Hz 200VA



2022-11-03



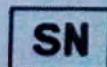
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Общий вид шильдика на блоке анализатора (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DF56)



Общий вид блока анализатора DF50CRP (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DF50CRP)

Auto Hematology Analyzer

Model: DF50CRP

Power: 100V-240V~ 50/60Hz 250VA

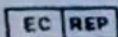


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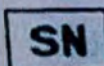
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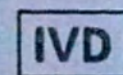


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Общий вид шильдика на блоке анализатора (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DF50CRP)



Общий вид блока анализатора DF52CRP (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DF52CRP)

Auto Hematology Analyzer

Model: DF52CRP

Power: 100V-240V~ 50/60Hz 250VA

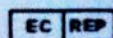


2022-10-16



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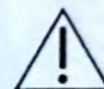
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Общий вид шильдика на блоке анализатора (Анализатор 5-Диф автоматический гематологический для диагностики in vitro, в варианте исполнения DF52CRP)



Общий вид блока анализатора DF53CRP (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DF53CRP)

Auto Hematology Analyzer

Model: DF53CRP

Power: 100V-240V~ 50/60Hz 250VA

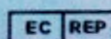


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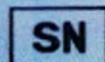
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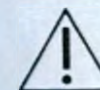


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Общий вид шильдика на блоке анализатора (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DF53CRP)



Общий вид блока анализатора DH71 (Анализатор 5-Пит автоматический гематологический для диагностики in vitro, в варианте исполнения DH71)

Auto Hematology Analyzer

Model: DH71

Power: 100V-240V~ 50/60Hz 250VA



2022-08-22



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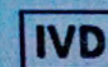


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Общий вид шильдика на блоке анализатора (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DH71)



Общий вид блока анализатора D1173 (Анализатор S-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения D1173)

Auto Hematology Analyzer

Model: DH73

Power: 100V-240V~ 50/60Hz 250VA



2022-08-22



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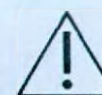


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Общий вид шильдика на блоке анализатора (Анализатор S-DiIT автоматический гематологический для диагностики in vitro, в варианте исполнения DH73)



Общий вид блока анализатора DH76 (Анализатор S-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DH76)

Auto Hematology Analyzer

Model: DH76

Power: 100V-240V~ 50/60Hz 250VA



2022-06-09



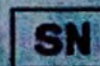
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Общий вид шильдика на блоке анализатора (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DH76)



Общий вид блока анализатора UN71 (Анализатор 5-DifT автоматический гематологический для диагностики *in vitro*, в варианте исполнения UN71)

Auto Hematology Analyzer

Model: UN71

Power: 100V-240V~ 50/60Hz 250VA



2022-11-10



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Общий вид блока анализатора UN73 (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения UN73)

Auto Hematology Analyzer

Model: UN73

Power: 100V-240V~ 50/60Hz 250VA



2022-06-09



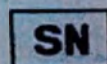
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Общий вид блока анализатора UN76 (Анализатор 5-Диф автоматический гематологический для диагностики *in vitro*, в варианте исполнения UN76)

Auto Hematology Analyzer

Model: UN76

Power: 100V-240V~ 50/60Hz 250VA



2022-11-10



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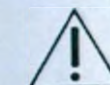
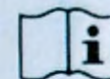
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Общий вид блока анализатора DM79X (Анализатор 5-Пит автоматический гематологический для диагностики in vitro, в варианте исполнения DM79X)

Auto Hematology Analyzer

Model: DM79X

Power: 100V-240V~ 50/60Hz 420VA



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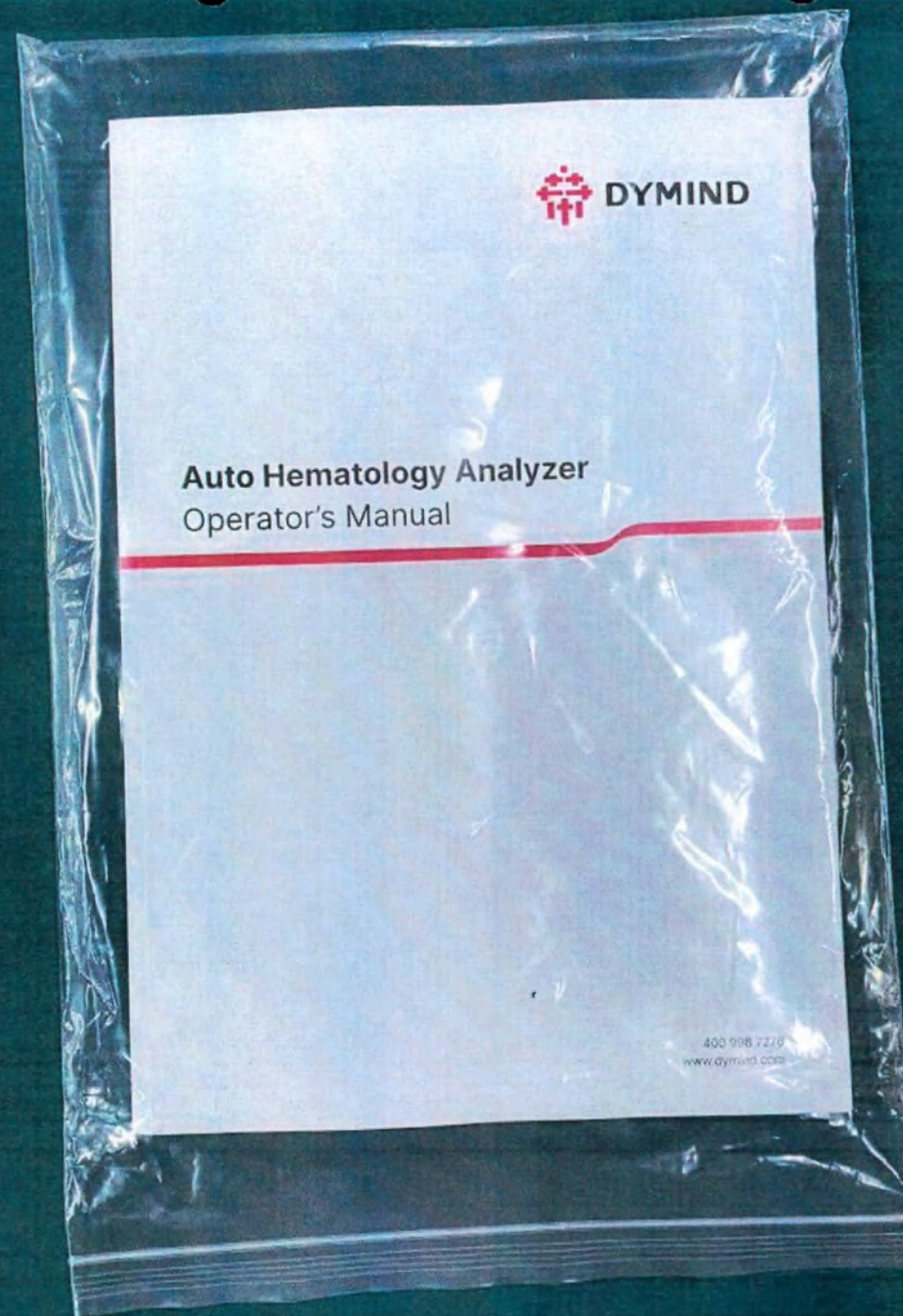
Общий вид шильдика на блоке анализатора (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DM79X)



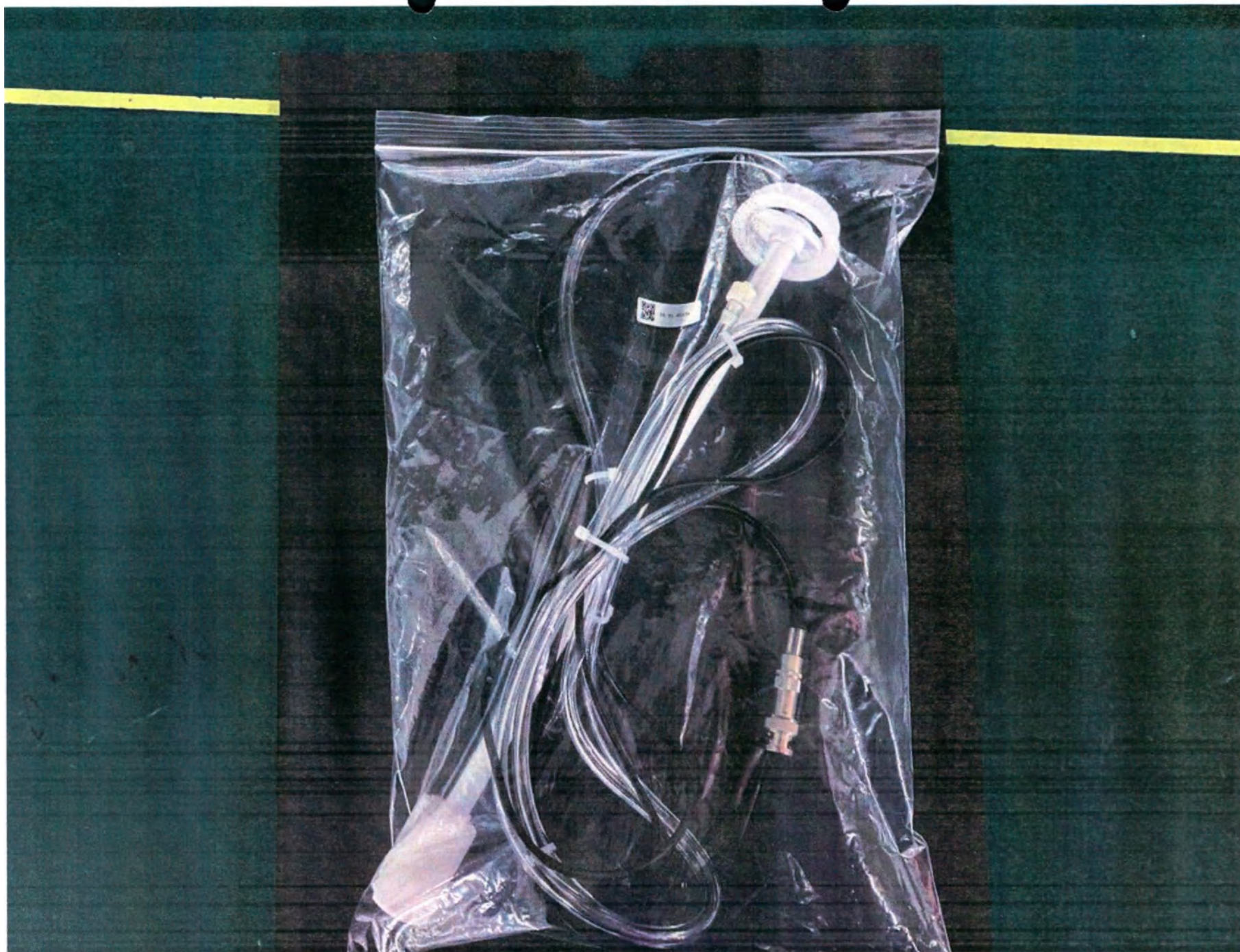
Кабель питания, 37.01.0046A, Dongguan Risheng Electric Wire Co., Ltd. (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в вариантах исполнения D7-CRP, D2-CRP, DF50, DF51, DF53, DF55, DF56, DF50CRP, DF52CRP, DF53CRP, DH71, DH73, DH76, UN71, UN73, UN76, DM79X)



Кабель периферийного заземления, 37.03.0001А, Shenzhen Kerute Electronics Co., Ltd. (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в вариантах исполнения D7-CRP, D2-CRP, D150, DF51, DF53, DF55, DF56, DF50CRP, DF52CRP, DF53CRP, D1171, DH73, DH76, UN71, UN73, UN76, DM79X)



Руководство по эксплуатации (Анализатор 5-лифт автоматический гематологический для диагностики in vitro,
в вариантах исполнения D7-CRP, D2-CRP, DF50, DF51, DF53, DF55, DF56, DF50CRP, DF52CRP, DF53CRP, DH71, DH73, DI176, UN71, UN73, UN76, DM79X)



Трубка для разбавителя, 20.01.0037A, Shenzhen Dymind Biotechnology Co., Ltd. (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в вариантах исполнения D7-CRP, D2-CRP, DF50, DF51, DI53, DF55, DF56, DF50CRP, DF52CRP, DF53CRP, DH71, DI173, DH76, UN71, UN73, UN76)



Трубка для отходов, 20.01.0038А, Shenzhen Dymind Biotechnology Co., Ltd. (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в вариантах исполнения DF50, DF51, DF53, DF55, DF56, DH71, DH73, DI176, UN71, UN73, UN76)



Трубка для отходов, 20.01.0981A, Shenzhen Dymind Biotechnology Co., Ltd.

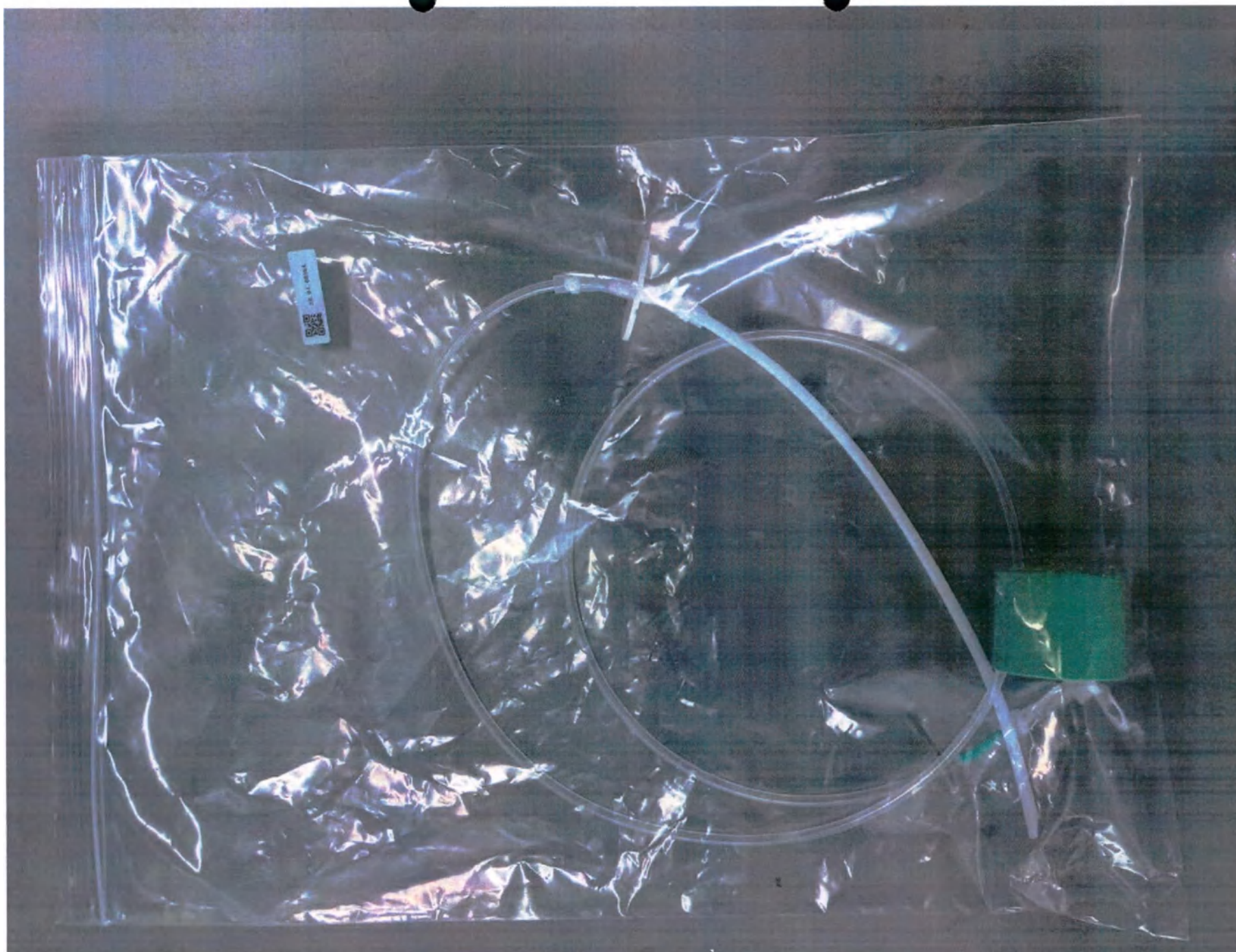
(Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в вариантах исполнения D7-CRP, D2-CRP, DF50CRP, DF52CRP, DF53CRP, DM79X)



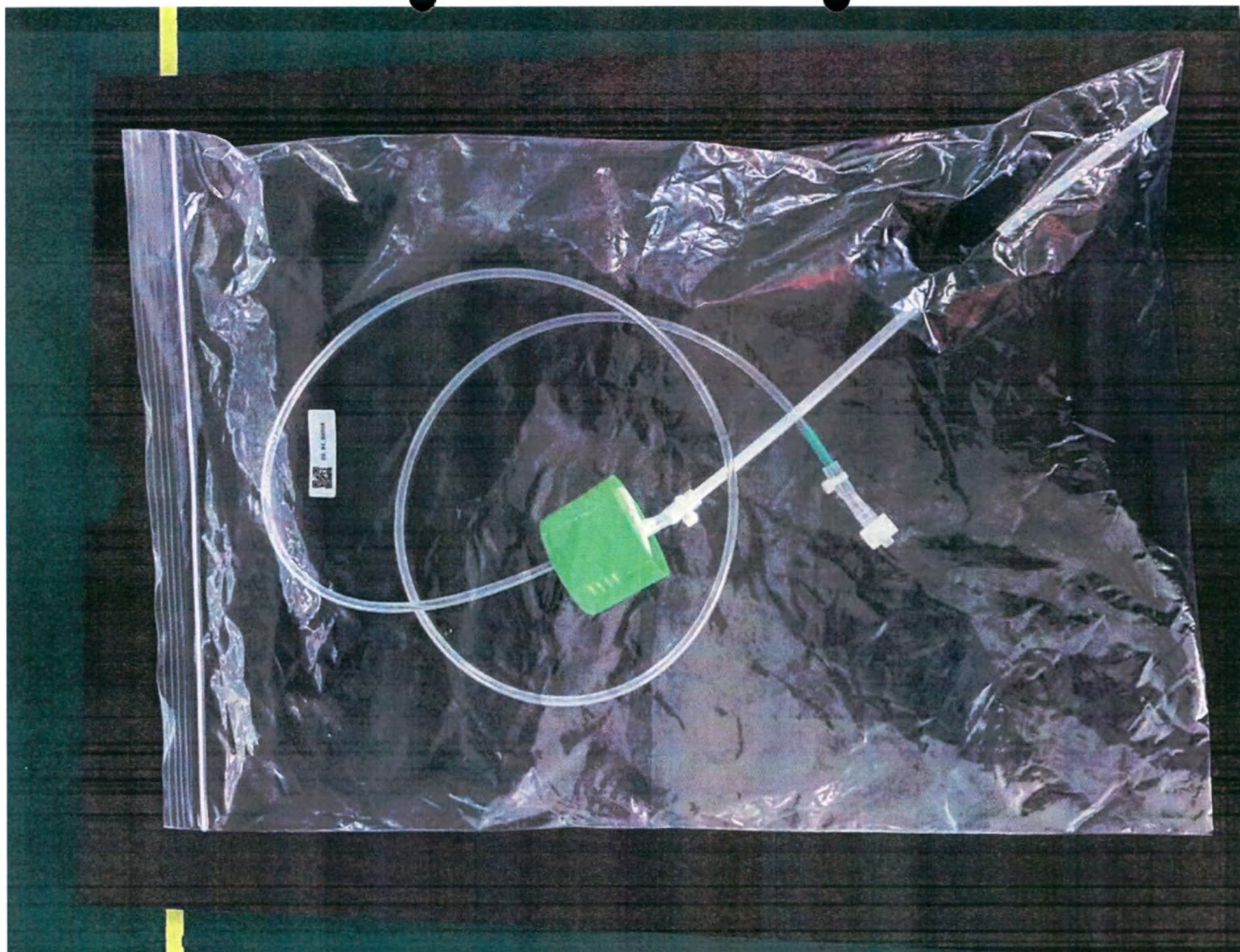
Контейнер для отхолов, 66.99.0002А, ChangZhou ChangShun Medical Technology Co., Ltd (Анализатор 5-DifT автоматический гематологический для диагностики in vitro, в вариантах исполнения D7-CRP, D2-CRP, DF50, DI51, DF53, DF55, DF56, DF50CRP, DF52CRP, DF53CRP, DI171, DI173, DI176, UN71, UN73, UN76, DM79X)



Кабель передачи данных, 37.02.0030A, Shenzhen Zhitongcheng Electronic Co., Ltd. (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в вариантах исполнения D7-CRP, D2-CRP, DF30, DF51, DF53, DF55, DF56, DF50CRP, DF52CRP, DF53CRP, DH71, DI173, DI176, UN71, UN73, UN76, DM79X)



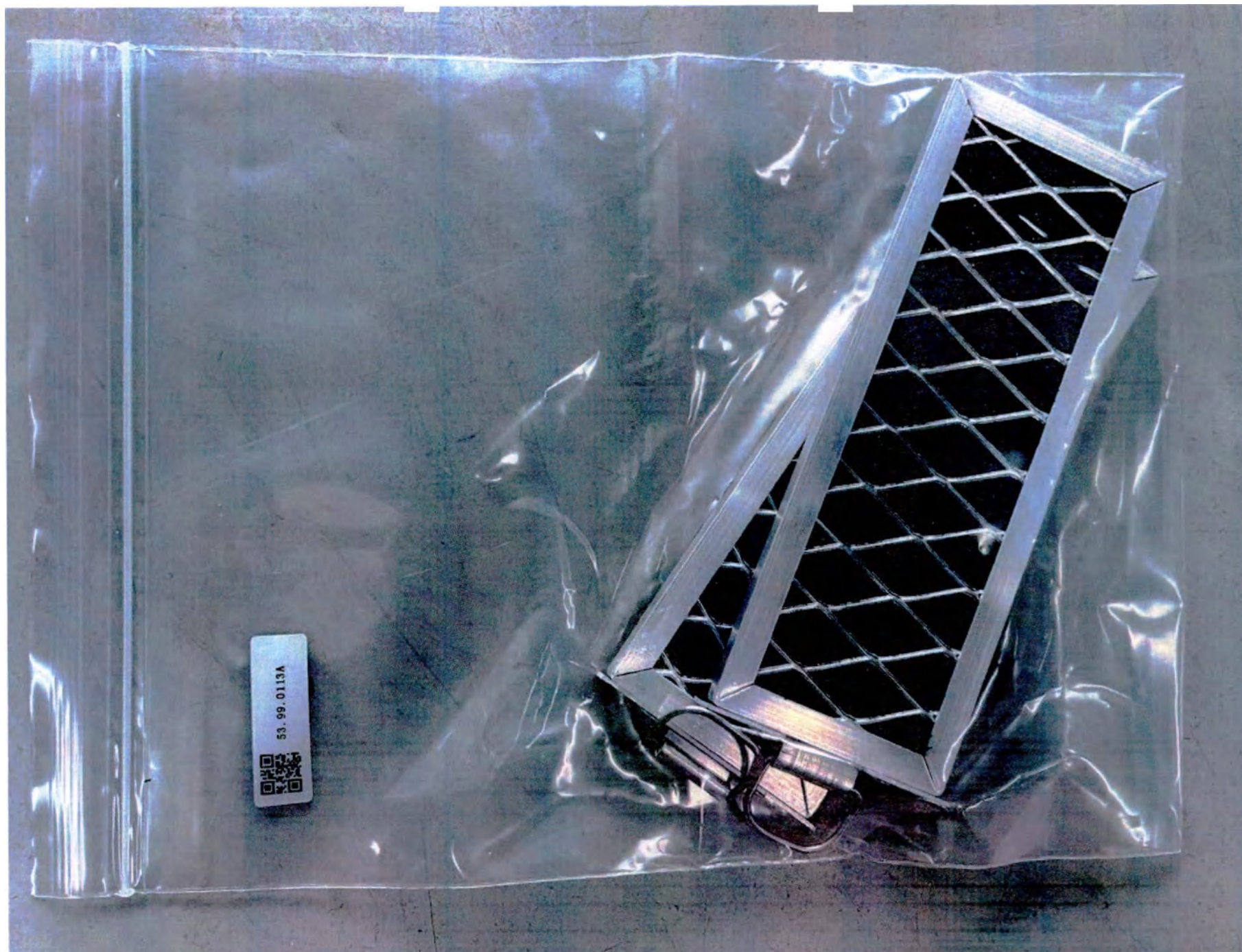
Трубка для лизирующего реагента LYA-1 в сборке, 20.01.0036A, Shenzhen Dymind Biotechnology Co., Ltd.
(Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в вариантах исполнения D7-CRP, D2-CRP, DH71, DH76)



Трубки для лизирующего реагента LYG-1 в сборке, 20.01.0036А, Shenzhen Dymind Biotechnology Co., Ltd. (Анализатор 5-DiIT автоматический гематологический для диагностики in vitro, в вариантах исполнения DH73, UN71, UN73, UN76)

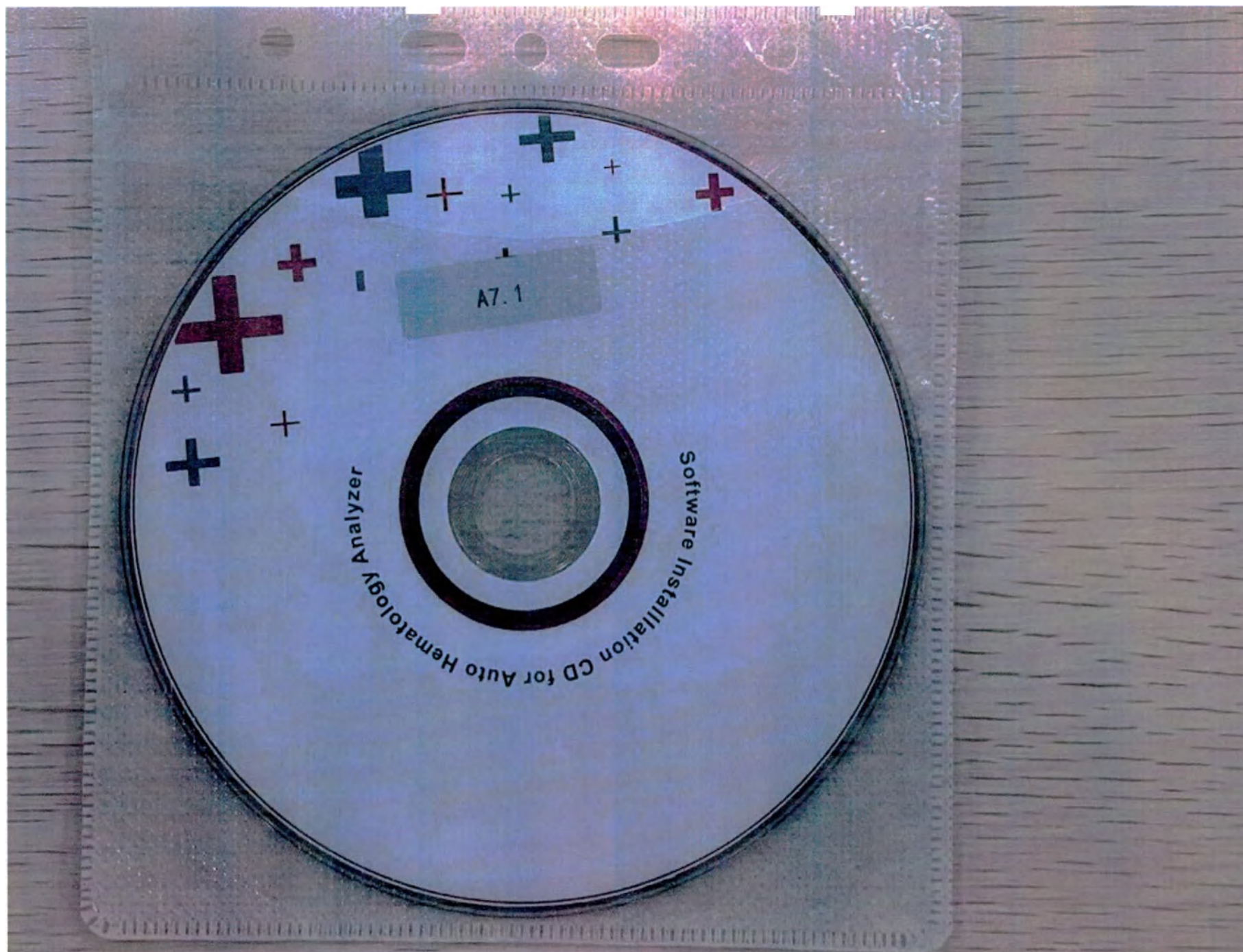


Фильтр воздушный, 53.99.0018A, Shenzhen Hongchuangjia Electronics Co., Ltd. (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в вариантах исполнения D7-CRP, D2-CRP, DF50CRP, DF52CRP, DF53CRP, DH71, DH73, DH76, UN71, UN73, UN76, DM79X)



Фильтр приточного воздуха, 53.99.0113A, Shenzhen Dymind Biotechnology Co., Ltd.

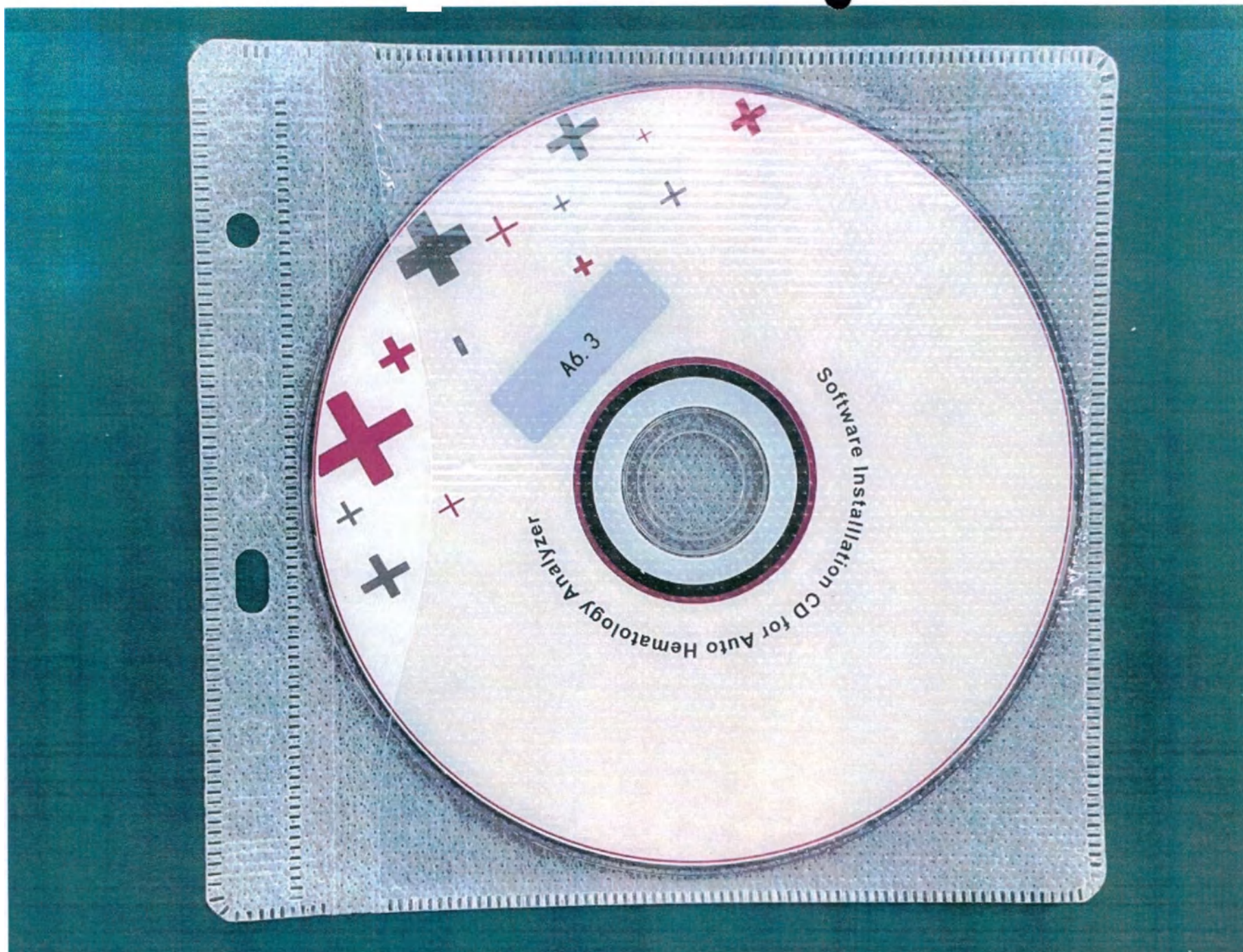
(Анализатор 5-Diff автоматический гематологический для диагностики *in vitro*, в вариантах исполнения D7-CRP, D2-CRP, DF50CRP, DF52CRP, DF53CRP, DM79X)



Компакт-диск для установки программного обеспечения
(Анализатор S-Diff автоматический гематологический для диагностики in vitro, в вариантах исполнения D7-CRP, D2-CRP)



Компакт-диск для установки программного обеспечения
(Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в вариантах исполнения DH71, DH73, DH76)



Компакт-диск для установки программного обеспечения
(Анализатор 5-DiТ автоматический гематологический для диагностики *in vitro*, в вариантах исполнения UN71, UN73, UN76)



Компакт-диск для установки программного обеспечения
(Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DM79X)

Startup



Place the power switch at the left side of the analyzer in the [I] position to start the analyzer.



Start the peripheral computer.



Double click the operating software icon, enter the username and password.

Daily Quality Control

Before running samples every day, run the controls in the **QC** interface. For details, see the **Operator's Manual**.



AWB Sample Analysis

Preparation

Remove racks and other objects from the unloading tray and the feeding area.

If barcode scanning is required, make sure the barcode labels on the tubes are facing the analyzer (as shown at right).



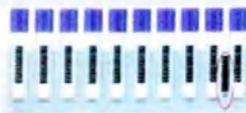
Starting Sample Analysis

1. Set whether to scan Rack No./Sample ID automatically in the **Setup > General Settings > Autoloader interface**.

2. Click **Mode & ID**, select **AWB**.

3. Select the measurement mode, input the sample ID rack No. and tube No. for the first sample and click **OK**.

4. Place racks loading tubes in ascending order on the level of the right tray, with rack No. facing the analyzer.



5. Click **Start** or press the [RUN] key on the analyzer to run the samples from the set starting position.

6. If a **STAT** sample is required to run during AWB sample analysis, click **STAT** to start the **STAT** sample analysis. Click **Exit STAT** to continue to run the AWB samples.

VWB/CWB Sample Analysis

1. Click **Mode & ID**, and select **VWB** or **CWB** as required.

2. Select the measurement mode and input the sample ID for the sample to be run, then click **OK**.

3. Set the well-mixed sample (uncapped) below the sample probe, press the aspirate key to run the sample; remove the tube when you hear a beep.

NOTE: The tube shall be placed vertically upward, not tilted or upside down.

PD Sample Analysis

1. Click **Mode & ID** and select **PD**.

2. Select the measurement mode and input the sample ID for the sample to be run, then click **OK**.

3. Click **Add Diluent**, then present a clean centrifugal tube under the sample probe.

4. Press the aspirate key. When you hear a beep, remove the tube. If more portions of diluent are needed, take another clean centrifugal tube and repeat this step.

5. Click **Cancel** to exit the diluent dispensing.

6. Add 20 μ L of capillary blood to the diluent, close the tube cap and shake the tube to mix the sample.

NOTE: The centrifugal tube shall be placed vertically upward, not tilted or upside down.

7. Uncap the centrifugal tube and present it to the sample probe so that the probe tip is vertically in contact with the bottom of the tube, then press the aspirate key. Remove the tube when you hear a beep.

Shutdown

NOTE

Before unplugging the power plug due to special occasions like transportation or long-term non-use of CRP measurement, take out the CRP reagent from the refrigerator and store separately.

Shut down strictly as instructed on-screen, and do the shutdown maintenance with the cleanser.

1. Click , do the shutdown procedure as instructed.
2. Turn off the power switch of the analyzer.



3. Click **Yes** to exit the software; or click **No** to use the software for any operation not related to the main unit.
4. Empty the waste container and dispose of the waste properly.

Precautions

Troubleshooting

If an error occurs, the error message displays in the lower right corner of the screen. Double click the message, and click **Remove Error** to remove the error.

When the analyzer prompts that the diluent is running out or waste is full (actually the diluent is enough and the waste is not full), take out the sensor from the corresponding container and shake 2~3 times, then put it back. Click **Remove Error**.

Replacing Reagents

Once the new reagent is connected, see the **Operator's Manual** for reagents replacement.

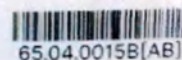
Routine Maintenance

Maintenance Scenarios	Operations
Shutdown or daily tips	Perform cleanser maintenance as instructed.
Before a short distance transport (transporting time ≤ 2h)	Perform Empty Fluidics .
Not to be used for over one week or a long distance transport (transporting time > 2h)	Perform Prepare to Ship .

Sleep

The analyzer enters sleep mode when no operation is done for a specified interval. Click **Exit** to wake it up.

For detailed instructions and precautions of the analyzer, see the **Operator's Manual**.



65.04.0015B[AB]

Startup

1. Place the power switch on the back of the analyzer in the [I] position to start the analyzer.
2. Enter the username and password on the screen.
3. The startup initialization and cleaning procedures begin. After the procedures, you can perform operations on the user interface.

Daily Quality Control

Before running samples every day, run the controls in the **QC** interface. For details, see the section about quality control in *Operator's Manual*.



Running the Whole Blood Samples

1. Click **Mode & ID** in the **Sample Analysis** screen.
2. Select **Venous Whole Blood (VWB)** or **Capillary Whole Blood (CWB)** as required.
3. Select the measurement mode **CBC** or **CBC+DIFF** and input the sample ID for the sample to be run, then click **OK**.
4. Set the well-mixed sample (uncapped) below the sample probe, press the aspirate key to start the analysis. Remove the tube when you hear a beep.

NOTE: The tube shall be placed vertically upward, not tilted or upside down.

Running the Predilute Samples

1. Click **Mode & ID** in the **Sample Analysis** screen and select **Predilute**.
2. Select the measurement mode **CBC** or **CBC+DIFF** as required and input the sample ID for the sample to be run, then click **OK**.

3. Click **Add Diluent** on the menu screen, then present a clean centrifugal tube (uncapped) under the sample probe.



4. Press the aspirate key. When you hear a beep, remove the tube. If more portions of diluent are needed, take another clean centrifugal tube and repeat this step.
5. Click **Cancel** to exit the diluent dispensing.
6. Add 20µL of capillary blood to the diluent, close the tube cap and shake the tube to mix the sample.

NOTE: The centrifugal tube shall be placed vertically upward, not tilted or upside down.

7. Uncap the centrifugal tube and present it to the sample probe so that the probe tip is vertically in contact with the bottom of the tube, then press the aspirate key to start the analysis. Remove the tube when you hear a beep.

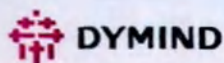
Shutdown

NOTE

Shut down strictly as instructed on-screen, and do the shutdown maintenance with the cleanser.

1. Click  on the menu screen, perform the shutdown procedure by following the screen instructions.
2. Turn off the power switch of the analyzer.





Auto Hematology Analyzer Quick Operation Guide

3. Empty the waste container and dispose of the waste properly.

Precautions

Troubleshooting

If an error occurs, the error message displays on the top of the interface. To remove the error, click the error message area, and click **Remove Error**. For details, see the Troubleshooting chapter in *Operator's Manual*.

When the analyzer prompts that the diluent is running out or waste is full (actually the diluent is enough and the waste is not full), take out the sensor from the corresponding container to shake 2~3 times, then put it back. Click **Remove Error** to remove the error. If the error still exists, contact our customer service department.

Replacing Reagents

Once the new reagent is connected, see the section about reagent management in *Operator's Manual* for reagents replacement.

Routine Maintenance

Maintenance Scenarios	Operations
Shutdown or daily tips	Perform cleanser maintenance as instructed.
Before a short distance transport (transporting time ≤ 2 h)	Perform Empty Fluidics .
Not to be used for over one week or a long distance transport (transporting time > 2 h)	Perform Prepare to Ship .

Sleep

The analyzer enters sleep mode when no operation is done for a specified interval. You can touch the screen to wake up the analyzer.

For detailed instructions and precautions of the analyzer, see the *Operator's Manual*.



Startup



Place the power switch on the back and the left side of the analyzer in the [I] position to start the analyzer.



Enter the username and password on the screen.



The startup initialization and cleaning procedures begin. After the procedures, you can perform operations on the user interface.

Daily Quality Control

Before running samples every day, run the controls in the **QC** interface. For details, see the section about quality control in *Operator's Manual*.



Running the Whole Blood Samples

1. Click **Mode & ID** in the **Sample Analysis** screen.
2. Select **Venous Whole Blood(VWB)** or **Capillary Whole Blood(CWB)** as required.
3. Select the measurement mode as required and input the sample ID for the sample to be run, then click **OK**.
4. Set the well-mixed sample (uncapped) below the sample probe, press the aspirate key to run the sample. Remove the tube when you hear a beep.

NOTE: The tube shall be placed vertically upward, not tilted or upside down.

Running the Predilute Samples

1. Click **Mode & ID** in the **Sample Analysis** screen to set the analysis mode and select **Predilute**.
2. Select the measurement mode as required and input the sample ID for the sample to be run, then click **OK**.

3. Click **Add Diluent** on the menu screen, then present a clean centrifugal tube under the sample probe.



4. Press the aspirate key. When you hear a beep, remove the tube. If more portions of diluent are needed, take another clean centrifugal tube and repeat this step.
5. Click **Cancel** to exit the diluent dispensing.
6. Add 20μL of capillary blood to the diluent, close the tube cap and shake the tube to mix the sample.

NOTE: The centrifugal tube shall be placed vertically upward, not tilted or upside down.

7. Uncap the centrifugal tube and present it to the sample probe so that the probe tip is vertically in contact with the bottom of the tube, then press the aspirate key to run the sample. Remove the tube when you hear a beep.

Shutdown

NOTE

To keep CRP reagent in cold temperature, do not turn off the power switch on the back of the main unit (except special occasions like transportation or long-term non-use of CRP measurement). Before disconnecting the power if needed, take out the CRP reagent from the refrigerator and store separately.

Shut down strictly as instructed on-screen, and do the shutdown maintenance with the cleanser.

1. Click , on the menu screen, perform the shutdown procedure by following the screen instructions.

2. Turn off the power switch at the left side of the analyzer.



3. Empty the waste container and dispose of the waste properly.

Precautions

Troubleshooting

If an error occurs, the error message displays on the top of the interface. To remove the error, double click the message area, and click **Remove Error**. For details, see the Troubleshooting chapter in *Operator's Manual*.

When the analyzer prompts that the diluent is running out or waste is full error (actually the diluent is enough and the waste is not full), please take out the corresponding sensor from the container to shake 2~3 times, then put it back. Click **Remove Error** to remove the error.

Replacing Reagents

Once the new reagent is connected, see the section about reagent management in *Operator's Manual* for reagents replacement.

Routine Maintenance

Maintenance Scenarios	Operations
Shutdown or daily tips	Perform cleanser maintenance as instructed.
Before a short distance transport (transporting time ≤ 2h)	Perform Empty Fluidics .
Not to be used for over one week or a long distance transport (transporting time > 2h)	Perform Prepare to Ship .

Sleep

The analyzer enters sleep mode when no operation is done for a specified interval. You can touch the screen to wake up the analyzer.

For detailed instructions and precautions of the analyzer, see the *Operator's Manual*.


 65.04.0022B[AB]

Startup

- Place the power switch at the left side of the analyzer in the [I] position to start the analyzer.
- Start the peripheral computer.
- Double click the operating software icon, enter the username and password.

Daily Quality Control

Before running samples every day, run the controls in the QC interface. For details, see the *Operator's Manual*.

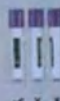


AWB Sample Analysis

Preparation

Remove racks and other objects from the unloading tray and the feeding area.

If barcode scanning is required, make sure the barcode labels on the tubes are facing the analyzer (as shown at right).



Starting Sample Analysis

- Set whether to scan Rack No./Sample ID automatically in the **Setup > General Settings > Autoloader** interface.
- Click **Mode & ID** on the right side of the main interface, and select **Auto-Venous Whole Blood (AWB)**.
- Select the measurement mode, input the sample ID for the sample to be run and click **OK**.
- Place racks loading tubes in ascending order on the level of the right tray of the autoloader, with the rack No. facing the analyzer.



- Click the **Start** button or press the [RUN] key on the analyzer to run the samples from the set starting position.
- If a STAT sample is required to run during AWB sample analysis, click **STAT** to start the STAT sample analysis. Click **Exit STAT** to continue to run the AWB samples.

VWB/CWB Sample Analysis

- Click **Mode & ID** on the right side of the main interface.
- Select **Open-vial-Venous Whole Blood (VWB)** or **Open-vial-Capillary Whole Blood (CWB)** as required.
- Select the measurement mode and input the sample ID for the sample to be run, then click **OK**.
- Set the well-mixed sample (uncapped) below the sample probe, press the aspirate key to run the sample; remove the tube when you hear a beep.

NOTE: The tube shall be placed vertically upward, not tilted or upside down.

PD Sample Analysis

- Click **Mode & ID** on the right side of the main interface and select **Open-vial-Predilute (PD)**.
- Select the measurement mode and input the sample ID for the sample to be run, then click **OK**.
- Click **Add Diluent** on the right side of the main interface, then present a clean centrifugal tube (uncapped) under the sample probe.
- Press the aspirate key. When you hear a beep, remove the sample tube. If more portions of diluent are needed, take another clean centrifugal tube and repeat the procedure.
- Click **Cancel** to exit the diluent dispensing.
- Add 20 μ L of capillary blood to the diluent, close the tube cap and shake the tube to mix the sample.

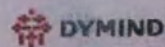
NOTE: The centrifugal tube shall be placed vertically upward, not tilted or upside down.

- Uncap the centrifugal tube and present it to the sample probe so that the probe tip is vertically in contact with the bottom of the tube, then press the aspirate key to run the sample. Remove the tube when you hear a beep.

Shutdown

NOTE

Shut down strictly as instructed on-screen, and do the shutdown maintenance with the cleanser.



1. Click  on the top right corner of the screen, perform the shutdown procedure by following the screen instructions.

2. Turn off the power switch of the analyzer.



3. Click Yes in the pop-up dialog box to turn off the software; or click No to use the software for any operation not related to the main unit.

4. Empty the waste container and dispose of the waste properly.

Precautions

Troubleshooting

If an error occurs, the error message displays in the lower right corner of the screen. To remove the error, double click the message area, and click Remove Error in the pop-up dialog box.

When the analyzer prompts that the diluent is running out or waste is full error (actually the diluent is enough and the waste is not full), take out the sensor from the corresponding container to shake 2-3 times, then put it back. Click Remove Error.

Replacing Reagents

Once the new reagent is connected, see the section about reagent management in *Operator's Manual* for reagents replacement.

Routine Maintenance

Maintenance Scenarios	Operations
Shutdown or daily tips	Perform cleanser maintenance as instructed.
Before a short distance transport (transporting time $\leq$ 2h)	Perform Empty Fluidics.
Not to be used for over one week or a long distance transport (transporting time $>$ 2h)	Perform Prepare to Ship.

Sleep

The analyzer enters sleep mode when no operation is done for a specified interval. Click Exit to wake it up.

For detailed instructions and precautions of the analyzer, see the *Operator's Manual*.



65.04.00068(AA)

Startup



Place the power switch at the left side of the analyzer in the [I] position to start the analyzer.



Start the peripheral computer.



Double click the operating software icon, enter the username and password.

Daily Quality Control

Before running samples every day, run the controls in the QC interface. For details, see the *Operator's Manual*.



AWB Sample Analysis

Preparation

Remove racks and other objects from the unloading tray and the feeding area.

If barcode scanning is required, make sure the barcode labels on the tubes are facing the analyzer (as shown at right).



Starting Sample Analysis

1. Set whether to scan Rack No./Sample ID automatically in the **Setup > General Settings > Autoloader** interface.
2. Click **Mode & ID** on the right side of the main interface to set the analysis mode, and select **Auto-Venous Whole Blood (AWB)**.
3. Select the measurement mode as required, input the sample ID for the sample to be run and click **OK**.
4. Place racks loading tubes in ascending order on the level of the right tray of the autoloader, with the rack No. facing the analyzer.



5. Click **Start** or press the [RUN] key on the analyzer to run the samples from the set starting position.

6. If a STAT sample is required to run during AWB sample analysis, click **STAT** to start the STAT sample analysis. Click **Exit STAT** to continue to run the AWB samples.

VWB/CWB Sample Analysis

1. Click **Mode & ID** on the right side of the main interface.
2. Select **Open-vial-Venous Whole Blood (VWB)** or **Open-vial-Capillary Whole Blood (CWB)** as required.
3. Select the measurement mode as required and input the sample ID for the sample to be run, then click **OK**.
4. Set the well-mixed sample (uncapped) below the sample probe, press the aspirate key to run the sample; remove the tube when you hear a beep.

NOTE: The tube shall be placed vertically upward, not tilted or upside down.

PD Sample Analysis

1. Click **Mode & ID** on the right side of the main interface and select **Open-vial-Predilute (PD)**.
2. Select the measurement mode as required, and input the sample ID for the sample to be run, then click **OK**.
3. Click **Add Diluent** on the right side of the main interface, then present a clean centrifugal tube (uncapped) under the sample probe.
4. Press the aspirate key. When you hear a beep, remove the sample tube. If more portions of diluent are needed, take another clean centrifugal tube and repeat this step.
5. Click **Cancel** to exit the diluent dispensing.
6. Add 20µL of capillary blood to the diluent, close the tube cap and shake the tube to mix the sample.

NOTE: The centrifugal tube shall be placed vertically upward, not tilted or upside down.

7. Uncap the centrifugal tube and present it to the sample probe so that the probe tip is vertically in contact with the bottom of the tube, then press the aspirate key to run the sample. Remove the tube when you hear a beep.

Shutdown

NOTE

Shut down strictly as instructed on-screen, and do the shutdown maintenance with the cleanser.

1. Click  on the top right corner of the screen, perform the shutdown procedure by following the screen instructions.

2. Turn off the power switch of the analyzer.



3. Click **Yes** in the pop-up dialog box to exit the software; or click **No** to use the software for any operation not related to the main unit.

4. Empty the waste container and dispose of the waste properly.

Precautions

Troubleshooting

If an error occurs, the error message displays in the lower right corner of the screen. To remove the error, double click the message area, and click **Remove Error** in the pop-up dialog box.

When the analyzer prompts that the diluent is running out or Waste is full error (actually the diluent is enough and the waste is not full), take out the sensor from the corresponding container to shake 2~3 times, then put it back. Click **Remove Error**.

Replacing Reagents

Once the new reagent is connected, see the section about reagent management in **Operator's Manual** for reagents replacement.

Routine Maintenance

Maintenance Scenarios	Operations
Shutdown or daily tips	Perform cleanser maintenance as instructed.
Before a short distance transport (transporting time ≤ 2h)	Perform Empty Fluidics .
Not to be used for over one week or a long distance transport (transporting time > 2h)	Perform Prepare to Ship .

Sleep

The analyzer enters sleep mode when no operation is done for a specified interval. Click **Exit** to wake it up.

For detailed instructions and precautions of the analyzer, see the **Operator's Manual**.



1 Startup

1. Place the power switch at the left side of the analyzer in the [ON] position to start the analyzer.
2. Start the peripheral computer.
3. Double click the operating software icon , enter the username and password.

2 Daily Quality Control

Before running samples every day, run the controls in the QC interface. For details, see the *Operator's Manual*.

3 AWB Sample Analysis**Preparation**

- Remove racks and other objects from the unloading tray and the feeding area.
- If barcode scanning is required, make sure the barcode labels on the tubes are facing the analyzer (as shown at right).

**Starting Sample Analysis**

1. Set whether to scan Rack No. and Sample ID automatically in the **Setup > General Settings > Autoloader** interface.
2. Click **Mode & ID**, select AWB as required.
3. Select the measurement mode, input the sample ID rack No. and tube No. for the first sample and click **OK**.
4. Place racks loading tubes in ascending order on the level of the right tray, with rack No. facing the analyzer.



5. Click **Start** or press the [RUN] key on the analyzer to run the samples from the set starting position.
6. If a STAT sample is required to run during AWB sample analysis, click **STAT** to start the STAT sample analysis. Click **Exit STAT** to continue to run the AWB samples.

4 VWB/CWB Sample Analysis

1. Click **Mode & ID**, and select VWB or CWB as required.
2. Select the measurement mode and input the sample ID for the sample to be run, then click **OK**.
3. Set the well-mixed sample (uncapped) below the sample probe, press the aspirate key to run the sample; remove the tube when you hear a beep.

NOTE: The tube shall be placed vertically upward, not tilted or upside down.

5 PD Sample Analysis

1. Click **Mode & ID** and select PD.
2. Select the measurement mode and input the sample ID for the sample to be run, then click **OK**.
3. Click **Add Diluent**, then present a clean centrifugal tube under the sample probe.
4. Press the aspirate key or click **Add** on the upper right of main screen. When you hear a beep, remove the tube. If more

portions of diluent are needed, take another clean centrifugal tube and repeat this step.

5. Click **Cancel** to exit the diluent dispensing.
6. Add 20µL of micro-whole blood to the diluent, close the tube cap and shake the tube to mix the sample.
NOTE: The centrifugal tube shall be placed vertically upward, not tilted or upside down.
7. Uncap the centrifugal tube with pre-diluted sample and present it to the sample probe so that the probe tip is vertically in contact with the bottom of the tube, then press the aspirate key. Remove the tube when you hear a beep.

6 Shutdown**NOTE**

- Before unplugging the power plug due to special occasions like transportation or long-term non-use of special protein measurement, take out the special protein reagents from the refrigerator and store them separately.
- Shut down strictly as instructed on-screen, and do the shutdown maintenance with the cleanser.

1. Click , do the shutdown procedure as instructed.
2. Turn off the power switch of the analyzer.
3. Click **Yes** to exit the software, or click **No** to use the software for any operation not related to the main unit.
4. Empty the waste container and dispose of the waste properly.

7 Precautions**Troubleshooting**

- If an error occurs, the error message displays in the lower right corner of the screen. Double click the message, and click **Remove Error** to remove the error.
- When the analyzer prompts that the diluent is running out or waste is full (actually the diluent is enough and the waste is not full), take out the sensor from the corresponding container and shake 2-3 times, then put it back. Click **Remove Error**.

Replacing Reagents

Once the new reagent is connected, see the *Operator's Manual* for reagents replacement.

Routine Maintenance

Maintenance Scenarios	Operations
Shutdown or daily tips	Perform cleanser maintenance as instructed.
Not to be used for 1-2 weeks or before a short distance transport (transporting time ≤ 2h)	Perform Empty Fluidics .
Not to be used for more than two weeks or a long distance transport (transporting time > 2h)	Perform Prepare to Ship .

NOTE

For dry areas, the operation of **Empty Fluidics** should be carried out when the analyzer has not been used for two to three days, and the operation of **Prepare to Ship** should be carried out when the analyzer has not been used for more than three days.

Sleep

The analyzer enters sleep mode when no operation is done for a specified interval. Click **Exit** to wake it up.

For detailed instructions and precautions of the analyzer, see the *Operator's Manual*.



Трубка для лизирующего реагента LYA-3 в сборке, 20.01.0034A, Shenzhen Dymind Biotechnology Co., Ltd. (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в вариантах исполнения D7-CRP, D2-CRP, D1171, D1173, D1176, UN71, UN73, UN76)



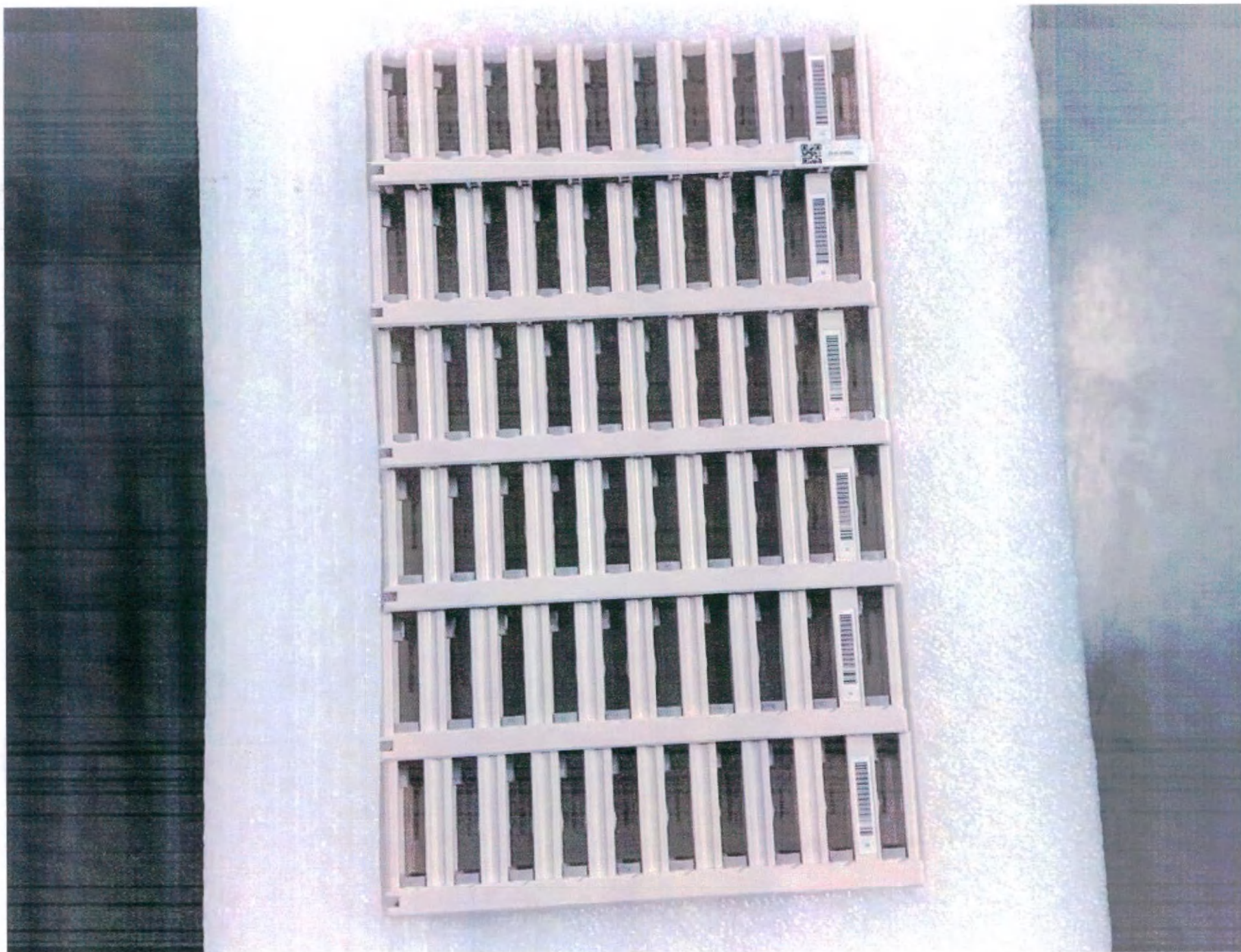
Трубка для лизирующего реагента LYD-2 в сборе, 20.01.0034A, Shenzhen Dymind Biotechnology Co., Ltd. (Анализатор S-Diff автоматический гематологический для диагностики in vitro, в вариантах исполнения DF50CRP, DF52CRP, DF53CRP)



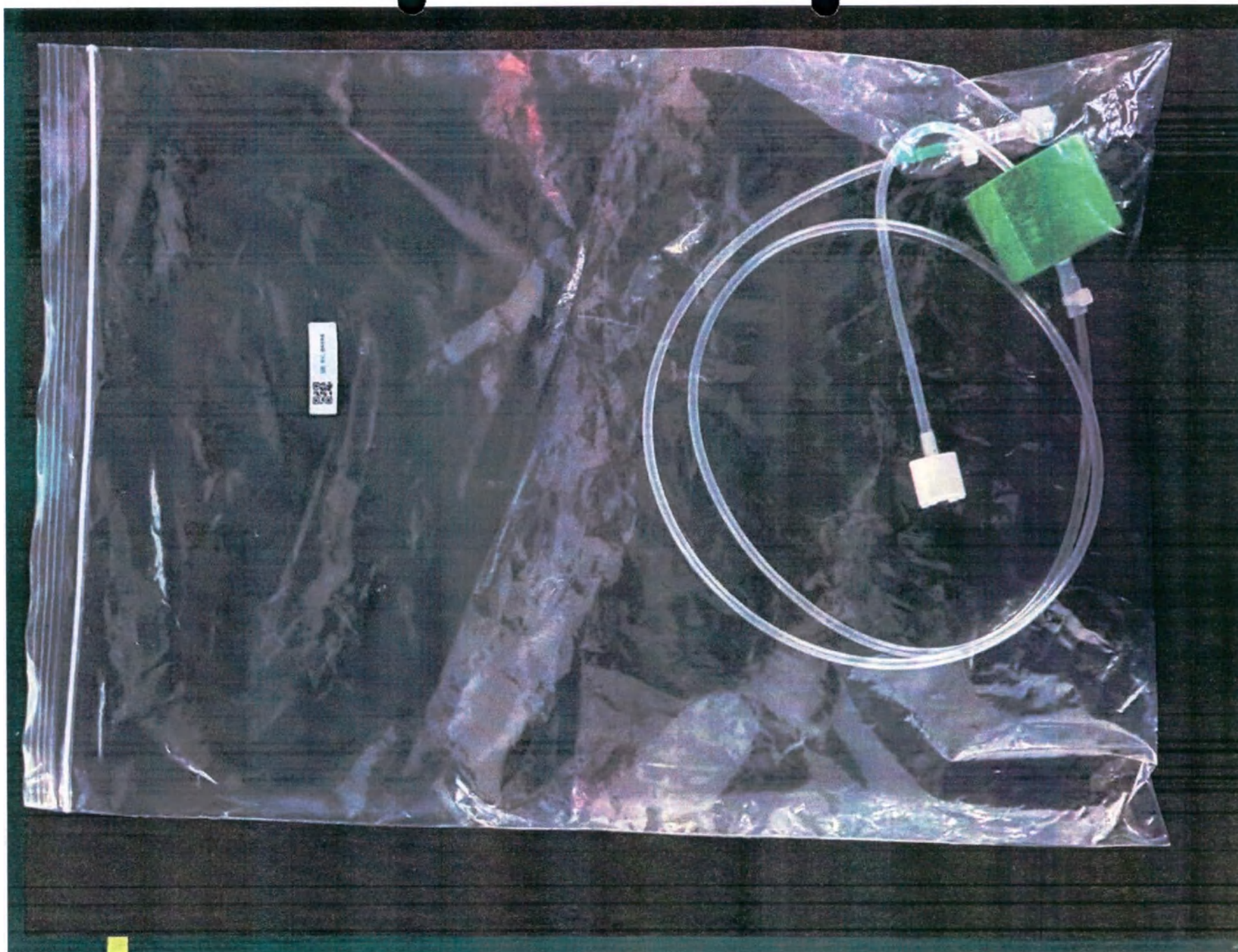
Трубка для лизирующего реагента LYA-2 в сборке, 20.01.0035A, Shenzhen Dymind Biotechnology Co., Ltd. (Анализатор 5-Diff автоматический гематологический для диагностики *in vitro*, в вариантах исполнения D7-CRP, D2-CRP, DH71, DH73, DH76, UN71, UN73, UN76)



Трубка для реагента L1 в сборке, 20.01.0342A, Shenzhen Dymind Biotechnology Co., Ltd.
(Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в вариантах исполнения D7-CRP, D2-CRP)



Штатив для пробирок, 20.01.0180А, Shenzhen Dymind Biotechnology Co., Ltd. (Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в вариантах исполнения D7-CRP, D2-CRP, DH71, DH73, DH76, UN71, UN73, UN76)



Трубка для лизирующего реагента LYR-3, 20.01.0938A, Shenzhen Dymind Biotechnology Co., Ltd.
(Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DM79X)



Трубка для лизирующего реагента LYR-2, 20.01.0939A, Shenzhen Dymind Biotechnology Co., Ltd.
(Анализатор 5-DiГ автоматический гематологический для диагностики in vitro, в варианте исполнения DM79X)



Трубка для лизирующего реагента LYR-1, 20.01.0940A, Shenzhen Dymind Biotechnology Co., Ltd.
(Анализатор 5-DiF автоматический гематологический для диагностики in vitro, в варианте исполнения DM79X)



Трубка для реагента L1, 20.01.0941A, Shenzhen Dymind Biotechnology Co., Ltd.
(Анализатор 5-Diff автоматический гематологический для диагностики *in vitro*, в варианте исполнения DM79X)

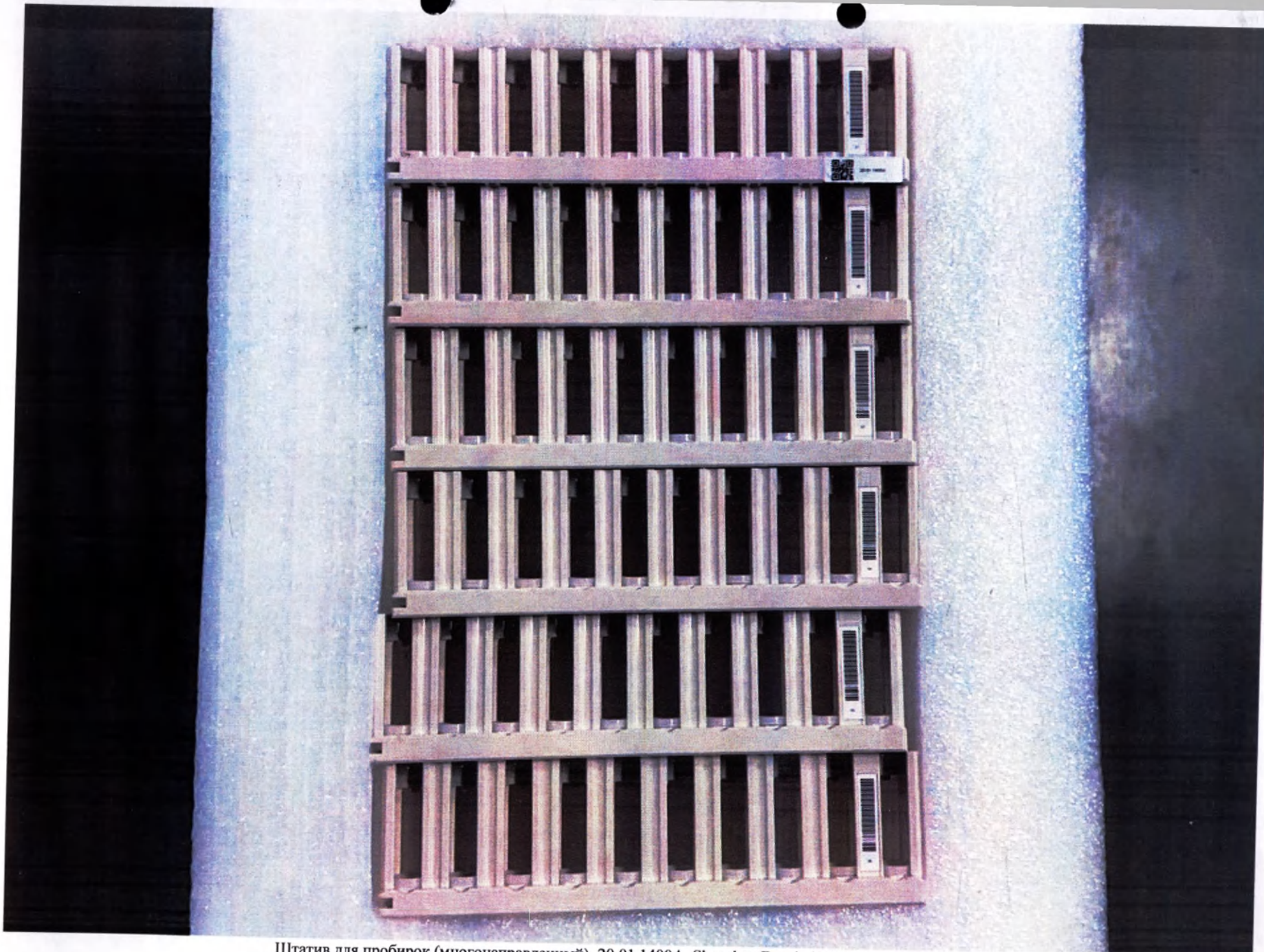


Трубка для реагента CLR, 20.01.0696A, Shenzhen Dymind Biotechnology Co., Ltd.

(Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DM79X)



Трубка для разбавителя, 20.01.0722A, Shenzhen Dymind Biotechnology Co., Ltd.
(Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DM79X)



Штатив для пробирок (многонаправленный), 20.01.1400A, Shenzhen Dymind Biotechnology Co., Ltd.
(Анализатор 5-Diff автоматический гематологический для диагностики in vitro, в варианте исполнения DM79X)

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