DRI-CHEM brings you a new world of Clinical Chemistry

Multiple Test Parameters
High Throughput

- 28 tests
- 3 tests
- 128 tests/hour

Fujifilm DRI-CHEM SLIDE

- Electrochemistry method slide
- Enzyme method slide

This multipurpose slide is composed of dry chemical reagents and/or electrochemical reagents. It quantifies enzymes and chemicals using immobilized enzymes and chemicals using an electrolyte method slide.

Calculations

- Anion Gap = Na value - (Cl value + TCO2 value)
- GLOB = TP value - ALB value
- LDL-C = TCHO value - (HDL-C value + TG value/2.2)
- LDL-C = TCHO value - (HDL-C value + TG value/5)

Measurement time (min.)

- Colorimetric tests: 2 to 6
- Electrolyte tests: 1
- Other tests: as option item to read sample ID on sample tube.

Data print

- USB 2.0 or RS-232C Serial

Data transmission to PC

- USB 2.0 or RS-232C Serial

Sample type

- Electrolytes: 50µL/3 tests (Na-K-Cl), CRP 5µL/test
- Colorimetry: 10µL/test
- Plasma, Serum, Whole blood* (NH3)

Other test items: Plasma, Serum

- NH: Whole blood only

Measurement range (*):

- Electrolytes: 50 ~ 175 mEq/L, 1.0 ~ 14.0 mEq/L
- Colorimetry: 0.5 ~ 18.0 mg/dL, 10 ~ 500 mg/dL
- Enzymes: 10 ~ 110 mg/dL, 10 ~ 600 mg/dL
- Albumin/Globulin ratio
- Globulin
- non-HDL Cholesterol
- GOT/AST
- BUN/Creatinine ratio
- GLU
- CHE
- TBIL
- CPK
- CRP
- ALB
- ALP
- LAP
- Mg
- TCHO
- UA
- Na
- LIP
- Ca
- IP
- K

*NH3.

*Unit (A) or (B) is availableThere are parameters which may not be available in your area. For details please contact your local distributor.
A New Generation of Clinical Chemistry
Safety and Simplicity in Operation, Compactness, Diversity in Tests... ALL in ONE

DRI-CHEM NX500

DRI-CHEM from FUJIFILM is a dry chemistry analyzer which can perform multiple test parameters of Clinical Chemistry.

1. Set the slide (Dry Slide Reagents).
2. Set the sample.
3. Press START.

No Parameter Input Required
Information of the parameter is incorporated in the bar code printed on the back of every slide.

Simple 3-step procedure

Fully Automated Procedure
1. Set the slide (Dry Slide Reagents).
2. Set the sample.
3. Press START.

No Parameter Input Required
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Fujifilm DRI-CHEM SLIDE

Colorimetry slide

Potentiometric method slide

This multilayered slide is composed of dry chemical ingredients needed for the reaction and other functional materials. It quantifies enzymes and chemicals using colorimetric method.

Each slide comes with an ion selective film electrode for Na, K, and Cl. Slides quantify electrolytes in the sample by potentiometric method.

Composition of multilayered film electrode

Components of the film

Front layer

Reference fluid

Back layer

Sample (50µL)

Bridge

Multilayered film electrode

Pertition materials

Electrode terminal

Potentiometer

Electrolytes

Multiple Test Parameters

High Throughput

(Enzymes, General chemistry, and Immunology)

(Electrolytes)
A New Generation of Clinical Chemistry

Safety and Simplicity in Operation, Compactness, Diversity in Tests... ALL in ONE

DRI-CHEM from FUJIFILM is a dry chemistry analyzer which can perform multiple test parameters of Clinical Chemistry. It has a built-in auto-pipetting system, requires no calibration and no water, providing easy preparation and maintenance. The new DRI-CHEM NX500 delivers results using a simple 3-step procedure. With its quick, easy operation and compactness, “Real Time and Borderless” Clinical Chemistry is made possible.

Simple 3-step procedure

1. Set the slide (Dry Slide Reagents).
2. Set the sample.
3. Press START.

Information of the parameter is incorporated in the bar code printed on the back of every slide.

No pre-treatment of sample required

Plasma film (PF) can be used both for the pre-treatment process of the sample. It can generally place sample by aspirating and separating the whole blood inside the PF within 1 minute. Just set the PF on top of the sample tube and press START.

Automatic dilution

Dilution, a time consuming process, is also automated in DRI-CHEM NX500. Just set the dilution ratio of dilution and press START. Dilution test also can be performed simultaneously with the regular tests, requiring no separation of blood.

No calibration required * QC card system

A magnetic card called QC card is to adjust the lot variability in the slide reagents. A QC card, with every reagent box, The analyzer remembers the adjustment information once a QC card is inserted. No need to swipe QC on every measurement.

A range of sample tubes can be used

Blood Collection Tube (1.5mL, 5.0mL, 10mL) FOR TLX-TUBE (2 mL, 5 mL); FOR BIO-TUBE (4 mL, 10 mL)

Minimize the risk of biological hazard

Whole blood often measured risk of contamination. The PF on top of the sample tube and press START. Minimize the risk of contamination.

Only 10μL/Test

Each test needs only 10μL of sample.

Automatic dilution

Dilution, a time consuming process, is also automated in DRI-CHEM NX500. Just set the dilution ratio of dilution and press START. Dilution test also can be performed simultaneously with the regular tests, requiring no separation of blood.

Calculation

The NX500 analyzer can provide results for 18 calculated parameters. The optional external calculation for commonly used parameters.

Accurate and reliable test results from long term and field-proven technology & experience

The DRI-CHEM NX500 slide reagent has high reliability and stability brought by the internal technology cultivated through the long history of FUJIFILM in photographic film manufacturing. Long-term evaluation of multiple parameters, high test reproducibility and easy precision, and excellent correlation with wet chemistry are its remarkable features.