



coax

COAGULATION SYSTEMS

“The diagnosis of coagulation has been redesigned”

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Information

Coax, 2025, Product Catalog



Our company, established in 2017, provides various services to many private, state and city hospitals in Turkey. We took an active role in all city hospital projects opened in 2018 and 2019 and provided project, planning and installation services.

Laboratory service: With our long years of experience, we offer uninterrupted service with laboratory project design according to hospital capacity and installation of devices as needed.

Production: Our company continues to be a rising value in our country and region by producing microbiology culture media and dyes, chemicals, rapid diagnostic kits and biological materials since 2019. Our company provides employment especially in the fields of chemistry, biology and biotechnology.

Software and Technology: Our company dxCore Technology produces solutions for manufacturers or distributors only in the field of diagnostics and biotechnology with CRM, ERP and IMS solutions specific to the IVD sector.

External Quality Control: The TurQAS external quality control program, whose software and algorithm were completed by our software company in 2020 and whose biological samples were developed by our biotechnology R&D team in 2021, started to provide services in 2022 after successfully passing all tests. It was accredited by TURKAK in 2023.

Food: The lemon-flavored liquid glucose drink used in oral glucose tolerance tests, whose R&D was completed in 2022, started the production of 50g, 75g and 100g Glucodex OGTT drinks with the approval number TR-01-K-036818 of the Provincial Directorate of Agriculture and Forestry. It aims to develop drinkable products in the field of health by continuing its R&D studies in the field of food.

Coax Liquid PT Reagent is a stable, liquid, ready-to-use Thromboplastin obtained from rabbit brain for the determination of Prothrombin Time according to Quick. It contains Tissue Factor, lipids and calcium ions and is used for the study of the extrinsic pathway of coagulation. Coax Liquid PT is a Thromboplastin highly sensitive to Vitamin K antagonists, low levels of extrinsic pathway factors (Factors II, V, VII and X), hereditary or acquired coagulation disorders, liver failure.

The test contains thromboplastin and calcium, which when added to citrated human plasma initiate activation of the extrinsic coagulation cascade. The time between the addition of the reagent to the plasma and the formation of a fibrin clot is measured and is reported in seconds, INR (International Normalized Ratio), or percent of normal. Additionally, the change in absorbance during the determination of PT can be used to obtain a fibrinogen concentration in mg/dL (Fibrinogen Obtained by Prothrombin Time).

Recombi PT-s

- It is derived from human thromboplastin and mimics a true in vivo response.
- It has been standardized against the appropriate international reference preparation in accordance with WHO guidelines.
- Low HEAT (1.0-1.3)
- It is presented in liquid form to eliminate dilution errors.
- Flexible packaging solutions are available for all laboratory volumes from 4 mL to 20 mL.

PT-s

- It is of rabbit brain thromboplastin origin.
- It has been standardized against the appropriate international reference preparation in accordance with WHO guidelines.
- Low HEAT (1.0-1.3)
- It is presented in liquid form to eliminate dilution errors.
- Flexible packaging solutions are available for all laboratory volumes from 4 mL to 20 mL.

Cat No	Product Name	Packing	ISI	Source	Open Vial
24rPT01	Coax Recombi PT-s	10x4 mL	1.0-1.3	Human	10 Days
24rPT02	Coax Recombi PT-s	10x20 mL	1.0-1.3	Human	10 Days
24PT01	Coax PT-s	10x4 mL	1.0-1.3	Rabbit	10 Days
24PT02	Coax PT-s	10x20 mL	1.0-1.3	Rabbit	10 Days

In vitro test for the determination of activated partial thromboplastin time (aPTT) in citrated plasma on fully automatic or semi-automatic analyzers, with reduced lupus sensitivity. The aPTT is used in the evaluation of the intrinsic coagulation pathway.

The capacity of blood to form a fibrin clot via the intrinsic hemostatic pathway requires clotting factors I, II, V, VIII, IX, X, XI and XII, platelet lipids and calcium. The test is performed by adding a suspension of rabbit brain cephalin with a surface activator to the sample.

Plasma is preincubated with aPTT reagent containing a mixture of purified phospholipids and contact activators that stimulate factor XIIa formation. Calcium chloride is then added, which activates the initiation of the intrinsic coagulation cascade. The time from the addition of calcium chloride to clot formation is measured.

aPTT Reagent

- It is derived from ellagic acid, the most widely accepted activator in the world.
- It is presented in liquid form to eliminate dilution errors.
- Flexible packaging solutions are available for all laboratory volumes from 4 mL to 20 mL.

Calcium Chloride

- It is presented in liquid form to eliminate dilution errors.
- Flexible packaging solutions are available for all laboratory volumes from 4 mL to 20 mL.

Cat No	Product Name	Packing	Activator	Format	Open Vial
24APTT01	Coax aPTT-s	10x4 mL	Ellagic Acid	Liquid	30 Days
24APTT02	Coax aPTT-s	10x20 mL	Ellagic Acid	Liquid	30 Days
24CC01	Coax Calcium Chloride	10x4 mL	-	Liquid	During Exp
24CC01	Coax Calcium Chloride	10x20 mL	-	Liquid	During Exp

Fibrinogen is an important coagulation factor synthesized in the liver. Thrombin converts fibrinogen to fibrin monomers, leading to spontaneous fibrin polymerization. Fibrin polymers form fibrin clots with platelets. Fibrin polymers are digested by the fibrinolytic system. High fibrinogen levels have been observed during acute phase reactions, pregnancy and oral contraceptive use, menopause, smoking, malignancies, or chronic inflammatory diseases. High fibrinogen concentrations have been associated with thromboembolic events and are considered risk factors for thrombotic disease. Low fibrinogen concentrations may occur during acute or chronic liver disease, disseminated intravascular coagulation, thrombolytic therapy, hemodilution, and consumptive coagulopathy. Chronically low levels may also be associated with hereditary disorders such as afibrinogenemia or dysfibrinogenemia. Fibrinogen levels are usually determined for preoperative screening or in cases of unexplained prolonged bleeding.

Fibrinogen-s

- It is presented in liquid form to eliminate dilution errors.
- It is in 4 mL kit form and has high efficiency.

Cat No	Product Name	Packing	Format	Open Vial
24FIB01	Coax Fibrinogen-s	10x4 mL	Liquid	10 Days
	Coax Imidazol Buffer	10x20 mL	Liquid	7 Days
	Coax Fibrinogen Cal	10x4 mL	Liquid	6 Hours

We have a flexible device portfolio for small, medium and large organizations.

Cat No	Product Name	Measurement Method	Scale	Testing Speed	Feature
24FT0401	Coax Ft40	Optics	Small	40	Manuel
24FT1001	Coax Ft100	Optics	Medium	100	Single Probe
24FT2001	Coax Ft200	Optical/Mechanical/Immu noturbidimetric/Substrate	Big	200	Single Probe
24FT3801	Coax FT380	Optical/Mechanical/Immu noturbidimetric/Substrate	Big	380	Double Probe



Semi-Automatic Coagulation Device

It is an ambitious system with its user-friendly interface, ease of use and repeatable results.



Technology

- System optics.
- Automatic detection by pipetting
- 4.3 inch TFT touch screen
- Internal printer.

Measurement Features

- 150 ul reaction volume.
- 2-4 channel options
- Ability to monitor reaction graph.
- Ability to calculate FIB from PT result
- Maintenance-free use.

Expenses

Cat No	Product Name	Packing
24OP01	Automatic Pipette	1 Piece
24RC01	Coax Reaction Cuvette	1000 Pieces

Fully Automatic Coagulation Device

It is an ideal system for medium-small scale laboratories. After loading the patient, it transfers the results to HIS/LIS without the need for user intervention.



Technology

- Optical, Immunoturbidimetric, chromogenic substrate systems.
- Single probe. 200 tests per hour speed.
- 12 sample positions.
- 12 (9+3) reactive positions.
- Reagent can be changed while hot.

Measurement Features

- 150 ul reaction volume.
- Can run PT, APTT, FIB, TT, D-DIMER, FDP tests.
- 4 measuring channels.
- 1 wash position.
- Ability to manage multiple reagent lots and multiple calibration curves

Ease of Use

- Suitable for a variety of open primary and secondary tubes including pediatric tubes and Eppendorf; multiple sample dilutions - parallel studies
- Reagent management by volume and number of remaining tests; reagent expiration tracking by label and on-board time; seamless reagent return
- Continuous loading of samples, reagents, consumables and emptying of liquid and solid waste: refilling and emptying without interrupting sample processing

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COAGULATION SYSTEMS

Coax PT, APTT kits are produced in our own laboratory and with our own raw materials.

"Medios aims to create value for its employees, suppliers and customers and to be one of the leading players in the field of diagnostics in our country and in the world by transferring this value to future generations."

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