

Disassemblable model of the human torso

LABOTRIX TORSO T1

PRODUCT PASSPORT

Kyiv

2026

1. Basic product information

- 1.1. Product name — The human torso model is collapsible.
- 1.2. Trademark — Labotrix.
- 1.3. Model — Torso T1; full trade name — LABOTRIX TORSO T1.
- 1.4. Manufacturer — Labotrix Group Limited, China.
- 1.5. Intended use: Anatomical model for demonstrating the location and structure of internal organs. The model shows the organs of the head, chest and abdominal cavities, separately reproduces the respiratory, digestive, urinary and nervous systems. The product is used in biology lessons in educational institutions when studying the structure of the human body, metabolism, respiration, digestion and excretion.
- 1.6. Design features: The model is disassembled into 23 separate parts, allowing the organs to be viewed from all sides and handed over to students. The head is shown in a longitudinal section, the chest and abdomen are open. The set includes both male and female genitalia, which expands the possibilities of demonstrations and allows you to show anatomical features.

2. Technical specifications

- Brand — Labotrix
- Model — Torso T1
- The article is LTX-TORSO-T1
- Model type — collapsible anatomical model of a human torso with internal organs
- Number of parts — 23
- Model height (centimeter) — 45
- Material of parts: polymer plastic (PVC)
- Color rendering — realistic toning that reproduces typical shades of human tissues and organs
- Configuration - unisex with the possibility of installing male or female genitals
- Chest — opened to access mediastinal organs
- Head - made in sagittal section to demonstrate internal structure
- Installation - on a stand for working at a desk
- Respiratory system — represented by the lungs, trachea, and respiratory organs in a cross-section of the head
- Circulatory system - heart and great vessels shown
- Digestive system — stomach, liver, intestines, esophagus
- Urinary system - kidneys with visible internal structure
- Nervous system — brain, spinal cord, and peripheral nerves
- Language of marking and operating documentation — Ukrainian

- Product marking — trademark, model and a space for the inventory number
- Packaging — individual box of corrugated cardboard with the contents secured
- Documentation supplied — product passport with warranty card and operating manual
- Ready to use - supplied assembled, no additional assembly required
- Care of the surfaces — wiping with a dry or slightly damp cloth is permitted
- User requirements - preparation and disassembly are carried out by a teacher or laboratory assistant, students work under supervision
- Demonstration method - individual organs are to be handed over to students for tactile familiarization
- Service life (year) — 5
- Warranty period (month) — 12

3. Equipment

- Torso (base of the model with open chest and abdominal cavities) — 1 pc.
- Head on sagittal section — 1 pc.
- Brain — 1 pc.
- Eyeball — 1 pc.
- Spinal nerve — 1 pc.
- Lungs (left and right) — 2 pcs.
- Heart (two parts) — 2 pcs.
- Liver — 1 pc.
- Kidney — 1 pc.
- Stomach (two parts) — 2 pcs.
- Intestine (four parts) — 4 pcs.
- Male genitals (two parts) — 2 pcs.
- Female genitalia with fetus (three parts) — 3 pcs.
- Front chest wall (removable female chest) — 1 pc.
- Product Passport and Warranty Card — 1 pcs
- Individual transport packaging — 1 pcs

The model is mounted on a sturdy stand that provides a stable position on the table. When arranging the organs, follow the removal sequence - this will speed up assembly. No assembly or adjustment is required before first use.

4. Safety measures

4.1. General requirements

- Please read these instructions carefully before first use and keep them with the model and proof of purchase.
- The model is handled by a teacher or other educational worker who has been instructed in occupational safety. Students disassemble the model only under the constant supervision of an adult.

- Check the completeness and inspect all parts: for cracks, chips, abrasions of the coating and missing large elements.
- Do not leave the model unattended. Small parts (nails, fruit, eyeball) can be dangerous.
- After completing the work, check the completeness against the complete list in section 3; all parts must be returned to their place.
- Students should wash their hands after working with the model.

4.2. Falling and tipping hazards

- Place the model on a stable, flat, horizontal surface, leaving plenty of space around for safety and to accommodate the removed organs.
- Do not hold the model or individual parts at face level; they may fall and cause injury.
- Carry the model with both hands by the torso and stand, not by the head or individual organs.
- Do not leave parts on the edge of the table: they may slide and fall on your feet.

4.3. Safety of internal surfaces and sharp corners

- Some organs have sharp edges when cut. When examining the internal surfaces, always handle them carefully, avoiding sharp edges.
- Remove parts with visible defects (cracks, sharp chips on cuts) from use until repaired.
- Do not allow younger students to disassemble and assemble the model on their own without the presence of a teacher.

4.4. It is strictly forbidden

- Use parts of the model as toys or levers to open any devices.
- Disassemble the model on heated appliances, on a window, in direct sunlight; the plastic will deform and lose its shape.
- Use the model as a stand, hanger, or support for other objects.
- Wash organs under hot water or in hot water; use aggressive chemicals and solvents.
- Write with markers on the surface of the model and stick stickers on it.
- Violate the sequence of disassembly and assembly at your own discretion, unless it is specified in these instructions.

5. Preparation for work

- 5.1. Unpack the model carefully on a covered table, in a place with sufficient lighting. Keep the factory packaging for storage and further transportation of the model.
- 5.2. Check the completeness according to the table in section 3 and make sure that all 23 parts are in place. Inspect each part for mechanical damage, chips or chips.

- 5.3. Wipe the model and all its components with a soft, dry cloth to remove packaging dust and manufacturing contaminants. Pay special attention to the recesses and internal surfaces of organs.
- 5.4. Place the model on a horizontal stand, clearly visible to the entire class, with enough space around it to display the removed parts and demonstration materials.
- 5.5. Prepare a clean cloth-covered area of the table or a separate board where you will sequentially lay out the removed organs. Lay them out from left to right in the order of removal — this will serve as a guide when reassembling.
- 5.6. Before first disassembling, carefully examine how the parts fit together and against the bottom/walls of the bed. Most parts are held in their own recesses or on pins without screws or bolts; this will help you during assembly.

6. Procedure

6.1. Disassembling the model

Disassemble the model in the exact order you want, from the front and top to the back and bottom. This order makes it easy to put the parts back together in reverse order.

- Remove the front wall of the chest (female chest) by pulling it towards you.
- Remove the lungs by pulling each one forward and slightly to the side, being careful of the massive part.
- Remove the front and back parts of the heart, freeing it from the large vessels.
- Remove the liver from the special pocket in the right hypochondrium.
- Remove the stomach (front and back), then the intestine one piece at a time in sequence.
- Remove the kidney from the recess on the posterior abdominal wall.
- Replace one set of genitals with another in the pelvic socket.
- Remove the brain while supporting the head with your other hand.
- Remove the eyeball by pressing on it or prying it away from the incision.
- Remove the spinal nerve from its recess.

6.2. Demonstration of the respiratory system

Show the airway in a section of the head (nasal cavity, pharynx, larynx, trachea), then remove the chest organs and distribute the lungs to groups of students. Ask them to find the lobes of the lungs (three on the right, two on the left) and the cardiac notch on the left lung.

6.3. Demonstration of the digestive system

Remove the abdominal organs and lay them out on the table in the order they were removed. Show the stomach with its internal mucosal folds, the liver, and the sequence of the intestines from the small intestine to the large intestine.

6.4. Demonstration of the urinary system

Remove the digestive organs and demonstrate the location of the kidneys on the posterior wall. Show the cortex and medulla, and the renal sinus in the kidney section.

6.5. Demonstration of the nervous system

Remove the brain and show its visible sections, sulci, and gyri. Demonstrate the spinal cord and spinal nerves. Remove the eyeball and show it as a peripheral part of the visual analyzer.

6.6. Completion of work

Assemble the model in reverse order, from the back and bottom to the front and top. Make sure the front wall of the chest fits snugly without any gaps. After assembly, no part should be wobbly or left on the table.

7. Care, maintenance and possible malfunctions

7.1. Cleaning

- Remove dust with a soft brush or a dry cloth; do not use brushes with stiff bristles.
- Remove larger stains with a cloth slightly dampened in warm water with a neutral detergent, then wipe dry.
- It is forbidden to use alcohol, acetone, solvents, abrasive powders, and chlorine-based products - they dissolve paint and deform plastic.
- Do not wash organs under running water or immerse them in liquid; water is retained in the cavities.
- Remove stains from markers or stickers carefully with a damp, soft cloth without applying pressure.

7.2. Periodic control

- At least once a month, check the reliability of the attachment of the organs to the bases and the stability of their pins.
- Make sure that the organ beds are not dirty and, if necessary, clean them of dust.
- The product does not require lubrication, calibration or other maintenance by the user. Repair of defective parts is carried out only by an authorized service center.

7.3. Possible malfunctions and ways to eliminate them

Symptom	Possible cause	User actions
The organ does not fit into the bed	The bed is dirty, the organ is incorrectly oriented	Clean the bed, position the organ correctly, try again

Symptom	Possible cause	User actions
The organ is swaying in its box.	Worn bearing or pin, contamination	Clean the pin and seat, contact your supplier if necessary
The anterior chest wall does not fit	The organs of the chest are positioned incorrectly	Remove the wall, correct the position of the organs, close again
Part lost	Insufficient completeness check	Contact the supplier, check the location of the class
Crack in plastic	Mechanical damage, fall	Remove the cracked part from use until repaired.
Paint fades or wears off	Prolonged exposure to sunlight, aggressive cleaning	Move the model away from the window, clean only with a soft cloth
The paint loses its uniformity	Improper storage in damp conditions	Wipe the model dry, store in a dry place.

8. Storage and transportation conditions

- Store the model assembled on a stand in a dry, heated room at a temperature of +5...+40 °C and a relative humidity of up to 80% without condensation.
- Protect the product from dust, direct sunlight, moisture, vibrations and exposure to aggressive chemical vapors.
- Do not place heavy objects on the model. Do not use it as a support for other products.
- To store the disassembled model, wrap each part separately in soft paper or foam and place it in the box so that the parts do not touch each other.
- Before transporting, disassemble the model and pack it in its original packaging, wrapping the parts with soft material. This will prevent bumps and chips.
- The storage period before commissioning is not limited, provided that the above requirements for temperature, humidity and protection from external influences are met.
- Before long-term storage, make sure the model is completely dry and no part has condensation.

9. Warranty obligations

9.1. The warranty period of the product is 12 months from the date of sale specified in the warranty card.

- 9.2. The manufacturer guarantees that the product complies with the declared technical characteristics, provided that the rules for transportation, storage and operation set out in this passport are followed.
- 9.3. During the warranty period, product defects that have arisen due to the manufacturer's fault will be eliminated free of charge. The method of elimination (repair, component replacement or product replacement) is determined by the service center.
- 9.4. Warranty service is provided upon receipt of a correctly and completely filled out warranty card and a document confirming the fact and date of purchase.
- 9.5. The warranty does not apply to cases where the malfunction is caused by:
- mechanical damage, in particular cracks, chips and deformation of the housing and of the components of the product;
 - violation of the operating, storage or transportation rules set out in this passport;
 - ingress of liquid or foreign objects into the product, and also the action of insects and animals;
 - independent disassembly, repair or modification of the product, in particular repair at unauthorized workshops;
 - use of the product other than for its intended purpose;
 - force majeure circumstances (fire, flood, earthquake, etc.).
- 9.6. The warranty does not apply to natural wear and tear of the coating and appearance of the product, as well as to consumables.

10. Product disposal

- The product is not electrical or electronic equipment, therefore the marking in the form of a crossed-out container does not apply to it.
- After the end of the service life, the product is disposed of according to the rules established at the institution that operated it, with prior separation by materials.
- Hand over the packaging elements (cardboard, polymer materials) to the corresponding streams of recyclable materials.

Contacts

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Conditions of use and storage of the product

The product is intended for educational work in general secondary education institutions and is used only under the control and supervision of a teaching staff member; the recommended age of students — from 10 years, that is, students of grade 5 and of higher grades. Keep the product in a dry, clean and ventilated room at a temperature from +5 to +40 °C and relative air humidity up to 80 % without condensation, separately from heat sources and out of direct sunlight, moisture and dust. Use the product exclusively for its intended purpose and do not allow drops, impacts or other mechanical damage. If you notice damage, a crack or any malfunction, stop working with the product immediately and inform the teacher or the responsible person of the educational institution; repairing the product on your own is prohibited.

WARRANTY CARD

Product name:	Disassemblable model of the human torso
Product model:	LABOTRIX TORSO T1
Serial number:	
Date of sale:	
Warranty period:	12 months from the date of sale
Trading organization:	
Signature of the seller:	

The goods have been received in working order, without visible damage, complete, and have been checked in my presence. I have no claims regarding the quality of the goods; I have read and agree to the operating and warranty service conditions.

Full name of the buyer

Buyer's phone number Buyer's signature

Dear Customer!

Thank you for choosing Labotrix products. After-sales service of this product is provided in accordance with the regulations of the company and the legislation of the country of sale. So that we can serve you quickly and without unnecessary formalities, check that this warranty card is filled in correctly at the moment of purchase and keep it together with the payment document throughout the entire warranty period. When applying for repair, hand the product over to the seller or to the service center together with the filled-in card.

Procedure for applying

1. The right to free warranty service for the product is valid for 12 months from the date of sale specified in the warranty card. Within this period, components that have failed due to a manufacturing defect are repaired or replaced without payment from the buyer.
2. Before contacting, make sure that the malfunction is not caused by the reasons listed in section 9 of this passport, and if possible, use the table of possible malfunctions in section 7.3.
3. After the 12-month warranty period, repairs are carried out for a fee; the cost of work and spare parts is determined depending on the nature of the malfunction.

Grounds for refusal of warranty service

The company reserves the right to refuse free service or to perform the work on a paid basis if at least one of the following circumstances is established:

- absence of the warranty card, its incomplete or corrected completion, and also the absence of a document confirming the purchase;
- non-conformity of the serial number of the product with the number specified in the card, or damage to the factory marking;
- traces of independent disassembly, repair or modification of the product;
- damage caused by violation of the operating rules, connection to an unsuitable power source or external mechanical impact;
- damage as a result of force majeure circumstances.

Service Records

Date of entry	Description of the malfunction	Work performed	Position, signature, full name of the responsible person