

Galt 1004864

Galt Toys Rainbow Lab Science Kit Instruction Manual

1. PRODUCT OVERVIEW

About the Rainbow Lab

The Galt Toys Rainbow Lab is an engaging science kit designed for children aged 5 and up. It encourages early STEM learning and scientific thinking through hands-on experiments. This kit allows users to explore color mixing, grow amazing jelly-like crystals in various colors, create a rainbow in a test tube, and observe the world through special rainbow glasses. The kit includes a 24-page full-color lab book detailing 12 fun experiments.

What's Included

The Galt Toys Rainbow Lab kit contains the following components:

- 3 test tubes
- Test tube rack
- Goggles
- Color mixing tray
- Pipette
- Polyacrylamide crystals
- 3 food colorings (red, yellow, blue)
- Rainbow glasses
- 3 plastic cups
- Mirror
- Stickers
- Notepad

STEM

GALT®

RAINBOW LAB



Grow colourful crystals to make a test tube rainbow, experiment with colour mixing and look through rainbow glasses!



**EXPLORE
AND
DISCOVER**



WARNINGS: CHOKING HAZARD--Small parts. Not for children under 3 years. Adult supervision required.

Image 1.1: All components included in the Rainbow Lab kit.



Image 1.2: The Galt Toys Rainbow Lab kit packaging.

Your browser does not support the video tag.

Video 1.1: An overview of the Galt Toys Rainbow Lab, demonstrating various experiments and components.

2. IMPORTANT SAFETY INFORMATION

WARNING: This kit contains small parts. Not suitable for children under 3 years due to choking hazard. Adult supervision is required at all times during setup and experimentation. Always wear the provided safety goggles when conducting experiments. Read all instructions in the included Lab Book carefully before beginning any experiment.



Image 2.1: Children demonstrating safe use of the kit with adult supervision.

3. SETUP GUIDE

Before starting any experiments, ensure you have a clean, flat, and stable workspace. It is recommended to cover your work surface to protect it from spills. Gather all the components listed in the 'What's Included' section and refer to the Rainbow Lab Book for specific setup instructions for each experiment.

1. **Unpack Components:** Carefully remove all items from the kit packaging.
2. **Identify Parts:** Familiarize yourself with each component using the 'What's Included' list and illustrations in the Lab Book.
3. **Prepare Workspace:** Set up your experimental area, ensuring good lighting and easy access to water if needed for experiments.
4. **Read Lab Book:** Always read the instructions for your chosen experiment in the Rainbow Lab Book thoroughly before starting.



Image 3.1: Kit contents and age recommendation on the side of the box.

4. OPERATING INSTRUCTIONS: EXPERIMENTS

The Galt Toys Rainbow Lab includes a comprehensive Lab Book with 12 exciting experiments. Each experiment provides step-by-step instructions to guide you through the process. Below are examples of the types of experiments you can perform:

- **Color Mixing:** Use the food colorings and mixing tray to create new colors.
- **Growing Jelly-like Crystals:** Follow instructions to grow colorful polyacrylamide crystals.
- **Rainbow Test Tube:** Layer different colored liquids to create a vibrant rainbow effect in a test tube.
- **Rainbow Glasses Exploration:** Wear the special rainbow glasses to observe how they refract light and create rainbow patterns.

Always ensure you have adult supervision and follow the safety guidelines mentioned in Section 2 and the Lab Book.



Image 4.1: Children engaged in color mixing experiments.



Image 4.2: Detailed view of adding liquid with a pipette during an experiment.



Image 4.3: A rainbow created within a test tube.



Image 4.4: Child wearing the included rainbow glasses.

5. CARE AND MAINTENANCE

Proper care and maintenance will ensure the longevity of your Galt Toys Rainbow Lab kit and its components.

- **Cleaning:** After each experiment, thoroughly clean all reusable plastic components (test tubes, cups, mixing tray, pipette) with warm, soapy water. Rinse well and allow to air dry completely before storing.
- **Storage:** Store all components back in their original packaging or a designated storage container in a cool, dry place, away from direct sunlight. Keep chemicals (food colorings, polyacrylamide crystals) sealed in their original containers.
- **Disposal:** Dispose of any used or leftover experiment materials according to local guidelines. Do not pour chemicals down the drain.

6. TROUBLESHOOTING

If you encounter any issues while using your Rainbow Lab kit, consider the following:

- **Experiment Not Working:** Double-check the instructions in the Lab Book. Ensure all measurements are accurate and steps are followed precisely. Sometimes, environmental factors like temperature can affect results.
- **Missing or Damaged Parts:** If any components are missing or damaged upon opening the kit, please contact Galt Toys customer support immediately.
- **Unclear Instructions:** If any instructions are unclear, refer to the illustrations in the Lab Book or seek assistance from an adult.

7. PRODUCT SPECIFICATIONS

Brand Name	Galt
Model Number	1004864
Age Range Description	Kid (5-10 years)
Educational Objective	Exploratory Skills, STEM
Material Type	Plastic
Item Dimensions (L x W x H)	12.2 x 2.76 x 8.66 inches
Item Weight	13.83 Ounces
GTIN	05011979579522

8. WARRANTY AND CUSTOMER SUPPORT

Galt Toys products are quality controlled and meet all American, Canadian, British, and European standards for toy safety. For specific warranty information, product support, or to report any issues, please contact Galt Toys directly through their official website or the retailer where the product was purchased. Keep your proof of purchase for any warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question