

C1 CATALOGUE

Chemistry



CHEMISTRY LABORATORY EQUIPMENT

The C1 catalogue includes equipment and devices that are used generally in Chemistry science laboratories.



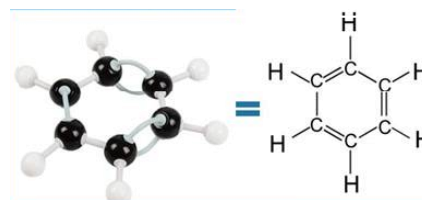
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CT 3010.1 Set of molecules models

General Chemistry Set of molecules models used for demonstrating the three-dimensional structure of the molecular and structural forms of compounds (organic and inorganic). Different types of connectors are also provided.

It consists of :

Modules	Holes	Color	Qty
H-Hydrogen	1	White	36
C-Carbon	2	Black	2
C-Carbon	3	Black	6
C-Carbon	4	Black	20
Fe-Ferum	3	Ciel	8
N-Nitrogen	4	Ciel	6
O-Oxygen	2	Red	8
Metals	4	Red	6
S-Sulfur	4	Yellow	4
H-Halogens	1	Green	4
A- Alkalis	1	Grey	4
Links			
Medium links	2 end	White	40
Long links	2 end	Grey	20
Short links	2 end	white	30

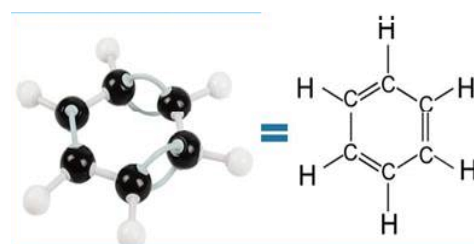


CT 3010.11 Molecular construction set - Organic chemistry

Scientific Atom- Molecule model construction set with more than 120 colored modules .Different types of connectors are also provided

It includes :

Modules	Holes	Color	Qty
H-Hydrogen	1	White	45
C-Carbon	2	Black	2
C-Carbon	3	Black	6
C-Carbon	4	Black	30
C-Carbon	5	Black	8
Cl-Chlorine	1	Green	8
O-Oxygen	2	Red	14
N-Nitrogen	4	Ciel	2
S-Sulfur	2	Yellow	1
S-Sulfur	4	Yellow	1
C Tetrahedral	4	Grey	4
C Angular	2	Grey	1
C Octahedral	6	Grey	2
Orbitals			
P—orbitals	1 socket	5 variations	30
Links			
Medium links	2 end	White	60
Long links	2 end	Grey	30
Short links	2 end	white	60
Auxiliary			
Link remover			1
Plastic container			1



CT 3010.12 Molecular construction class

General Chemistry Scientific Atom- Molecule model construction set with more than 500 colored modules for demonstrating organic and inorganic molecules. Different types of connectors are also provided. It includes :

Name	Holes/Angle	Color	Qty
H	1	Orange	120
	4/109°		80
C	5/120° + 90°	Black	60
	3/120°		40
	3/116°		70
O	2/104°	Blue	20
	4/109°		40
N	3/107°	Dark blue	14
F	1	Pink	6
Cl	1	Green	10
	6/90°		14
Br	1	Brown	4
I	1	Deep purple	4
S	2/104°	Yellow	8
	4/109°		4
P	4/109°	Purple	4
	5/120° +90		4
Na	6/90°	Purple	14
Metal Monovalence	1	Silver grey	8
Metal bivalence	2/104°	Silver grey	2
Single bond		White	350
Double (three) bond		White	120



CT 3010.2 Periodic table poster

Chemical Element Periodic Table
Canvas print classroom poster
Element identification includes :
element name , symbol sorted in
groups and periodic number, atomic number,
atomic weight, electro-negativity and state of
aggregation

Dimensions 80 cm x 120 cm
Wooden bars for hanging on the wall .

CT 3003.3 Hoffman apparatus set

Water electrolysis unit according to Hofmann
Two graduated gas collecting tubes 50 ml volume with a
stopcock at the top of each gas tube
Integral reservoir tube and funnel-shaped bulb

Includes:

- Two electrodes
 - Power supply: 12 w
 - Chemicals
 - Support stand and clamps
- Comes in a packing case

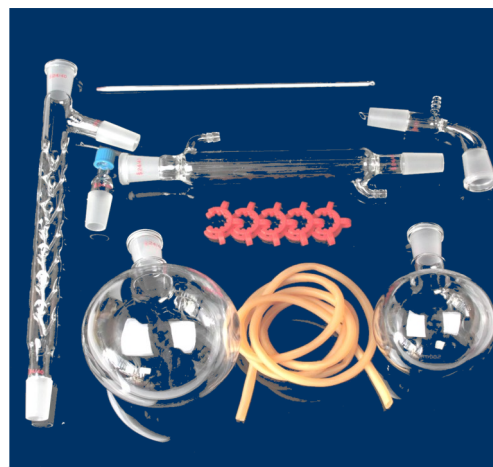


CT 3003.4 Distillation set

Water Distillation Apparatus,

Distillation Kit to experiment on the process of distillation, water cooling - steam distillation, short path distillation, vacuum distillation fluid separation - Fractional distillation .

Glassware set contains

**Qty GLASSWARE AND AUXILIARIES**

5	Plastic clips for 19/26 joint
1	Vacuum Take-off adapter, 19/26, 105° Bend
1	Thermometer Adapter With Screw,
1	Vigreux Distilling Column with Arm
1	Round bottom flask, single neck, 1000ml
1	Erlenmeyer (or round bottom) flask, 500ml
1	Liebig Distillation Condenser Column, height 200mm
1	2M Rubber Hose, ID 6/OD 9 mm
1	Celsius thermometer, Length 300mm

CT 3003.41 Water distillation and extraction set

Water distillation Kit to experiment on the process of distillation, water cooling—steam distillation, short path distillation, in a chemistry lab.

The set can also be used for oil /and herbal oil extractions. The set comes in a plastic box with foam pockets for safe transportation and lid and it is easily carried.

The set includes all required components for water distillation experiments.

The apparatus components are:

H-Hydrogen

LAB experiment base

- 1 CT3003.41.1 Base - for the vertical rod and the alcohol burner. Metal plate dimensions ,20 x13
- 1 CT3003.41.2 Vertical rod , ø 10 mm . Length 400mm- Stainless steel

LAB base add-ons

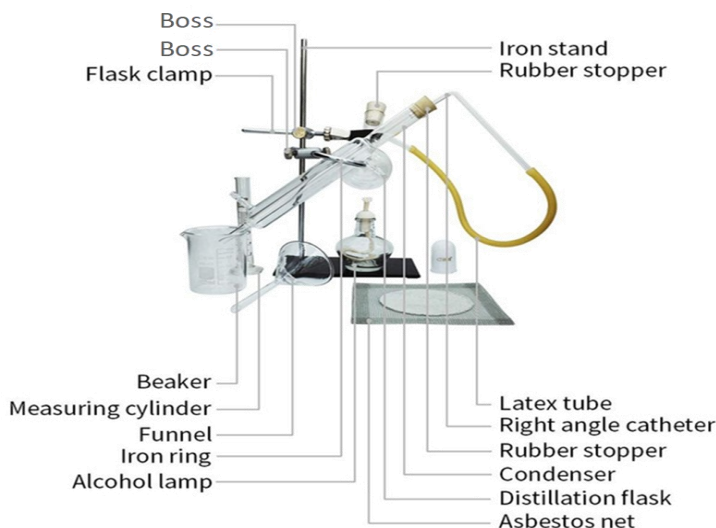
- 2 CT3003.41.1 C Adjustable Clamp with arm , spank length 150 mm , shank length 150 mm , cork covered interlocking jaws ,stainless steel .
- 1 CT3003.41.2R Metal Ring , D5 cm with asbestos center mesh , it assembles on the retort stand.
- 1 CT3003.41.1B Bosses , 2 pcs for connecting add-ons on the retort stand rod. i.e. clamps , rings etc
- 1 CT3003.41.AB Alcohol burner with spare wicks
- 1 Accessory set with funnel , glassware brush, glass pipette , 10 wicks for the burner ,



Glassware and auxiliaries

- 1 Right angle catheter
- 1 Thermometer ,glass rod ,alcohol
- 1 Round bottom flask ,250 ml
- 1 Erlenmeyer flask ,250 ml (or Beaker option)
- 1 Liebig Condenser Column, height 200mm
- 1 Measuring cylinder 100 ml
- 1 Rubber Hoses, clips and rubber

In Plastic case
Foam insert for equipment



CT 3003.42 Organic chemistry kit glassware

The set is made of G3.3 borosilicate glass.
 Annealing Point: 560°C
 Linear Coefficient of Expansion: $32 \times 10^{-7}/^{\circ}\text{C}$
 Softening Point: 820°C
 The thickness of the flask wall is 2.5mm.

Qty	LABORATORY BASE APPARATUS	Joints
1	Still head	14/23-19/26
1	Receiver adaptor	19/26-24/29
1	Air leak/stream inlet	19/26
1	Liebig condenser	19/26-19/26
1	Dropping funnel 100ml	19/26-19/26
1	Reduction adaptor	19/26-24/29
1	Liebig condenser	19/26-19/26
1	Multiple adaptor	19/26-24/29
1	Flask, round bottom 50ml	24/29
1	Flask, Erlenmeyer 250ml	24/29
1	Flask, round bottom 250ml	24/29
2	Stoppers	19/26
1	Thermometer packet	14/23
1	Receiver adaptor	19/26
1	Flask, round bottom 100ml	24/29
1	Stopper	



Indicative set photo

CT 3003.5 Kinetic gas theory set

The set consists a vibration generator and simulator of particle motion with overload protection.

Vibration generator: Oscillations and mechanical waves

Frequency range: 0 up to 20 kHz

Maximum amplitude: 5 mm

length 300 mm approx.

Circular disc

Material: Plexiglas cylinder and Wood

Set of spheres of different color.



CT 3003.6 Crystal model sets

Sets for building various Chemical crystal models

Material: Plastic

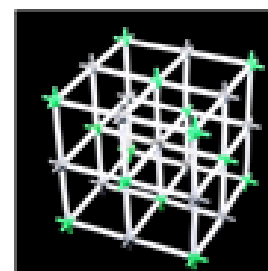
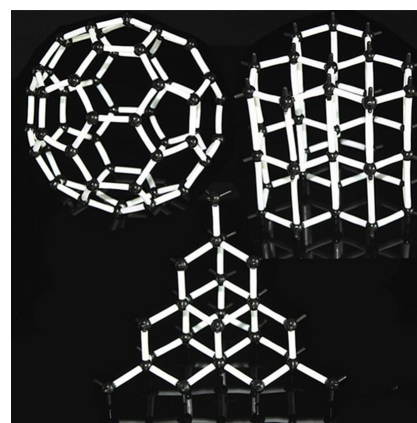
Each ball diameter: 9 mm

CT 3003.61 1 set for building **NaCl** Crystal Structural Model

CT 3003.62 1 set for building **C60** molecular structure model

CT 3003.63 1 set for building **Graphite** structure model

CT 3003.64 1 set for **Diamond** crystal structure model



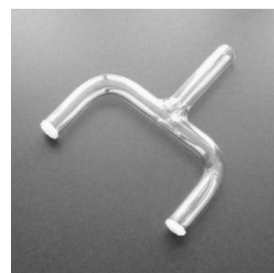
CT 3003.7 Salt bridge

The salt bridge consists of an inverted U tube with its ends closed by sintered discs. It is used for the connection of galvanic cells.

Arms: 13mm diameter

Width: 80mm

Height: 100mm



CT 3003.43 Distillation device

4 L Water bench-top distiller is to produce pure water through distillation. Equipped with temperature protection mode, it can automatically power-off.

Features:

1. Integrated fan condenser
2. Ventilation holes for overheat protection
3. Button for distilling (Auto-off when temp is over 320°F)
4. Activated carbon filter (Includes activated carbon sachet)
5. Stainless steel water outlet
6. With indicator light
7. Anti-skid & scratch-resistant rubber feet

Specifications:

1. Power: 750W
2. Voltage: 220V, 50 /60HZ
3. Fan Material: Aluminum
4. Capacity: 4L/H
5. Inner Container Volume: 1.1 Gal/4 L
6. Degree of Evaporation: 1L/H
7. Distilling heater: Stainless Steel
8. Container Material: Borosilicate glass 3.3
9. Over-temperature Safe: Auto-off When Temperature is over 320°F
10. Color: Stainless Steel Color



CT3011.4 Universal pH indicator papers

Set of 100 pH indicators designed for chemistry experiments that require the study of the Ph in a solution.

pH range 1-14

Size 85x5 mm

**CT3011.41 Universal pH roll indicator**

1 Roll of PH Test Paper

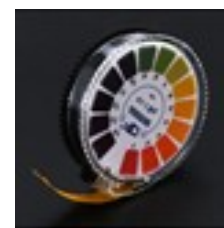
Total length: approx. 5m

Width: 7mm

PH range: 1-14

Quick and easy to use.

Appropriate for testing alkaline or acid level of any liquid.

**CT3011.42 Neutral litmus paper**

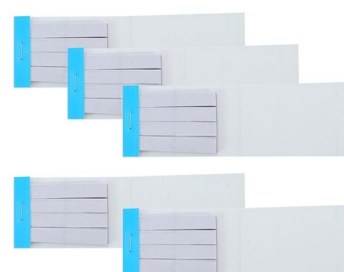
2 booklets (80 Strips each) of PH Litmus Tester Paper, pH Controller 1-14. Each book also includes a color chart .

**CT3011.43 Blue litmus paper**

*pack of 100 Blue litmus papers. Can be used to easily test whether the liquid contains acidic substances. Suitable for students, teachers, professionals, researchers, etc. :

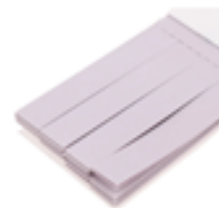
Features

- Material: Paper.
- Let you explain the knowledge in the books more concretely, which makes it easier for students to learn.
- A simple way to determine without a doubt if a solution is acidic.
- No color chart needed to determine findings.
- Easy to use and operate, students or teachers are available.



CT3011.44 Red litmus paper

2 pack of Red Litmus Papers.
 Paper Length: about 6cm
 Color: Red
 For chemistry experiments and school teaching.
 Package Includes: 80 Pieces Red Litmus Papers in one pack



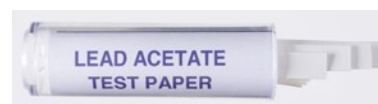
CT30011.45 Potassium iodide starch test paper

100 strips of potassium iodide starch test paper.
 Strip size: 10x75mm



CT3011.46 Lead acetate paper

Booklet of 100 lead acetate paper for ascertaining the presence of hydrogen sulfide. Can also be used to determine levels of sulphide in drinking water, well water or groundwater.
 Strip size: 10x75mm



CT3011.5 Acetate pen

Acetate pen set
 Set of 8 pens of different colors



CT3011.6 Cotton wool pack

Cotton wool pack of 100g weight



CT3011.61 Sterile cotton buds

Product	100pcs 15cm Long wooden stick industrial cotton bud
Material	100% pure cotton + wood stick
Tip	Diameter: 4.5mm, length 12mm
Stick	Diameter: 2.2mm, length 68mm



CT3011.7 Disposable aprons

100 Disposable CPE Gown Sleeved Aprons

Item	Disposable CPE Gown/apron
Material	100% Chlorinated Polyethylene (CPE) / Polyethylene (PE)
Size	157 * 197cm
Weight	50g/pc
Cuff	Thumb loop cuff



CS3001.21 Disposable pipettes

Set of disposable pipettes designed for liquid transfer and diffusion, useful for conducting experiments in Chemistry and Biology. The volume of the pipette is 5 ml, made of polyethylene in accordance with generally accepted standards.



CT3011.8 Micropipettes

The micropipette is designed for professional use. Simple one-handed operation. Easy to calibrate and disassemble. Autoclavable and chemical resistant pipette body tip

Code	Volume Range	Increment	Test Volume (ul)	Accuracy Error		Precision Error		Tips
				%	ul	%	ul	
CT3011.81	0.1-2.5ul	0.05ul	2.51.25 0.25	2.53 12	0.06250.0375 0.03	23 6	0.050.0375 0.015	10ul
CT3011.82	0.5-10ul	0.1ul	105 1	11.5 2.5	0.1 0.0750.025	0.81.5 1.5	0.080.075 0.015	20ul
CT3011.83	2-20ul	0.5ul	2010 2	0.91.2 3	0.180.12 0.06	0.41 2	0.080.1 0.04	200ul
CT3011.84	5-50ul	0.5ul	5025 5	0.60.9 2	0.30.225 0.1	0.30.6 2	0.150.15 0.1	200ul
CT3011.85	10-100ul	1ul	10050 10	0.81 3	0.80.5 0.3	0.150.4 1.5	0.150.2 0.15	200ul
CT3011.86	20-200ul	1ul	200100 20	0.60.8 3	1.20.8 0.6	0.150.3 1	0.30.3 0.2	200ul
CT3011.87	100-1000ul	5ul	1000500 100	0.60.7 2	63.5 2	0.20.25 0.7	21.25 0.7	1000ul
CT3011.88	1000-5000ul	50ul	50002500 1000	0.50.6 0.7	2515 7	0.150.3 0.3	7.57.5 3	5000ul
CT3011.89	2-10ml	0.1ml	10ml5ml 2ml	0.61.2 3	6060 60	0.20.3 0.6	2015 12	10ml



CT3011.8E Micropipettes tips

200 Pieces of sterile micropipette tips for laboratory usage of different volumes.

CT3011.8E1	CT3011.8E2	CT3011.8E3	CT3011.8E4	CT3011.8E5	CT3011.8E6
10ul	20ul	200ul	1000ul	5000ul	10ml



CS3001.31 Filter paper

100 Pieces of 15cm diameter Qualitative Filter Paper



CS3001.32 Filter paper sheet

Qualitative sheets of 60x60cm Analysis Filter Paper. These filters are appropriate for separating crystalline precipitates from solutions. These Filter Paper are ideal for retaining crystalline materials and for general chemistry applications.

Diameter: 60x60cm

Pack: 100 sheets



CT3011.9 Gloves non-sterile

100 pcs of disposable gloves..

Material: Latex

Size: Medium



CT3011.10 Pipette filler

Pack of 10 Bulb type safety pipette filler

1.Made of natural rubber, corrosion resistant, safe and durable to use.

2.Suction ball has three valves which are used by elastic rubber force to help suck the solution into the pipette (up to 100ml).

3.Large suction force.

4.Suitable for industrial and mineral laboratories, agricultural laboratories, food laboratories, chemical laboratories and so on.



CT3011.11 Cellulose chromatography paper

1 pack (100pcs/pack) of 3MM Chr Instant Thin Layer Cellulose Sheet Chromatography Paper.

Dimensions: 60*60cm.



CT3001.27 Syringe

Plastic graduated syringes, without hypodermic needle.

Code	Volume	Graduation	Pieces / Pack
CT3001.27	20ml	1ml	100 pcs/ pack
CT3001.27 A	10ml	1ml	100 pcs/ pack



CT3011.12 Nutrient broth

Nutrient Broth 500gr of dry powder.

For cultivating and enriching non-fastidious bacteria ,and for evaluating the efficacy of disinfection.

Formulation(per liter):

Peptone 10.0g

Beef Extract 3.0g

Sodium Chloride 5.0g



CT3011.13 Silicone Grease

Pack of 120gr Silicone grease

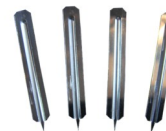
Item tested	Silicone grease
Appearance	Translucent gel
Penetration (25°C), 0,1mm	265-295
Wide temperature	-55 - 250°C



CT3011.14 Sterile Lancet

Sterile lancets designed for single use. Each lancet is packed in sterile packaging.

Material	Medical Grade Stainless Steel
Needle	Medical Grade Stainless Steel
Size	40mm*5.5mm
Exposed Length	2.6mm - 3.8mm
Package	200 Pcs



CS3010.48A Dialysis tube

Roll of osmosis membrane made of cellulose that allows experimentation on dialysis, osmosis and diffusion.

Diameter: 15mm
Length: 30m



CT 3011.30A Antibiotic test

B-Lactams and Tetracyclines Test Kit

- Ready to use kits for farmers, truck drivers, etc
- No incubation required
- Result visible in less than 10min
- Receptor assay with broad-specificity to all β -lactams, including penicillins and cephalosporins



Test Kit Components

- β -lactam Test Strip, 96pcs
- Microwell reagent, 96wells
- Plastic Pipette, 96pc

CT 3011.31A Aflatoxin M1 test

Dipsticks Milk Aflatoxin M1 Test Kit

Type: Biological Diagnostic Reagents

Form: Test Strip

Accuracy: 99%/98%

Sample: Raw Milk/Raw Commingled Milk

Test time: 5 min

Shelf Life: 12 months

Storage 2-8 °C

Pieces / Pack: 96 Test Kits

