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Product Code FL102 v1.0 2016

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Deluxe Scent Lab

Design Gorgeous Fragrances!

Instructions



WARNING!



For children over 8 years of age. Use under adult supervision. Not suitable for children under 3 years of age due to small parts which may represent a choking hazard.



Contains fragrances which may cause an allergic reaction. Keep away from small children and animals.



The fragrances are not toxic, but if fragrances enter the eye, rinse immediately with plenty of cold water. Do not consume the fragrances. If consumed, drink plenty of cold water. Do not induce vomiting.



If symptoms persist, consult a doctor, and take this booklet with you.

Read these instructions before use, follow them and keep them for reference.

Keep young children and animals away from the experimental area. Store this set in its original packaging out of reach of children under 8 years of age.

Clean all equipment after use. Make sure that all containers are fully closed and properly stored after use. Ensure that empty containers are disposed of properly (in household waste or plastics recycling). Wash hands after carrying out the activities. Do not use equipment which has not been supplied with this set or recommended in the instructions for use. Do not eat or drink in the area in which you are carrying out the activities. Do not allow chemicals to come into contact with the eyes or mouth.

This kit contains genuine fragrances. These can stain wood surfaces and may damage certain plastics and painted surfaces, so please make sure that activities are carried out on a suitable surface, such as a kitchen sink drainer, or on kitchen work surfaces protected by several layers of newspaper (to absorb any spills). Always thoroughly dry the fragrance bottles, pipettes, and work area with kitchen paper after use.

Allergens over 0.01%

Allergen	CAS Number	Herbal	Citrus	Fruity	White Flower
Benzyl Alcohol	100-51-6				•
Citronellol	106-22-9	•		•	
Geraniol	106-24-1	•			
Hexyl Cinnamal	101-86-0			•	
Limonene	5989-27-5	•	•	•	
Linalool	13906-04-4	•		•	

INGREDIENTS: Aqua 7732-18-5, Parfum, Glycerine 56-81-5, Potassium Sorbate 590-00-1, Polysorbate 20 9005-64-5. Allergen testing

We recommend that you test each of the fragrances on your skin before use. Apply a droplet of fragrance to the skin of the inner forearm and leave for 30 minutes. If there is no visible redness, you are unlikely to be sensitive to any of the ingredients.

If you are particularly susceptible to allergic reactions, the above test method can be used, but cover the test area with a sticky plaster and leave for 24 hours before washing off.

Once opened or mixed, fragrances must be used within 6 months.

Introduction

The art of creating and blending perfumes goes back thousands of years. Archaeologists have discovered perfume bottles in Cyprus that are over 4000 years old! Perfumes are therefore some of the earliest cosmetic products ever used.

Scent Lab uncovers some of the secrets of this ancient craft, supplying everything you need to create gorgeous designer perfumes that are fun to wear or give as gifts to friends and family.

This kit contains a variety of different fragrances allowing you to blend unique perfumes to match an individual's personality, likes and interests.

Note: For the purposes of this kit we refer to a 'fragrance' as being an individual scent or ingredient (e.g. the Musk fragrance in the kit) and 'perfume' as being the result of combining (or blending) some of these different fragrances together.

Contents

- 9 x Fragrances (Musk, Vanilla, Pink Flowers, White Flowers, Citrus, Green, Herbal, Marine, and Fruity)
- 9 x Plastic Pipettes
- 8 x Gift Bottles (gold tops)
- 2 x Diffuser sprayers
- 6 X Diffuser Reeds
- 2 X Gift Boxes
- 3 X Gift Tags & Ribbons
- 1 X Sheet of Self-Adhesive Labels
- 1 X Sheet of Perfume Tester Strips
- 1 X Pair of Laboratory Gloves



Did you know?

A perfume on one person can smell entirely different when worn by another person. This is because of our individual body chemistry and how the oils react with it. Perfume can also change over time. When trying out a perfume, whether you make it yourself or are testing it in a shop, wait for a few minutes to see how it reacts with your skin; it may smell differently to when you first put it on.

Storage

Fragrances are composed of delicate chemicals which can be damaged by exposure to light and heat, so in order to keep perfumes at their best, they should always be stored in a cool, dark, and dry place. A bathroom window ledge is therefore not a good place to store your favourite perfumes!

Perfume Blending

Professional perfume blenders are known as 'Noses' because of their highly developed sense of smell. It takes over 7 years to train as a 'Nose' but the rewards can be excellent as talented noses are in high demand and can command very good salaries.

Expensive perfumes contain a complex blend of different fragrances and may have 50 or more ingredients! The key to successful perfume blending lies in what is called the 'notes'.

There are 3 notes to most perfumes; **Base**, **Heart** (or mid) and **Top** notes. Within the kit, you have at least two fragrances of each note.

Base Note

Musk
Vanilla

Heart Note

Pink Flowers
White Flowers
Marine
Herbal

Top Note

Citrus
Green
Fruity

- **Base notes** give the perfume body and helps the perfume to last. Base notes should be used sparingly as they contain a higher concentration and can often dominate a fragrance.
- **Heart notes** mix with the base notes to give the perfume its lasting odour.
- **Top notes** are generally the first fragrance in a perfume you will notice. However, they will often evaporate after 15 to 30 minutes.

Top notes are first noticeable upon application. These are typically light and fruity. Their aim is to lure you in and help persuade you to purchase. Most people do not realise that perfumes change over time and that they should allow the perfume to settle on their skin and see how the oils react.

You can mix and match the various notes in order to produce your very own perfume. The more top notes you use, a more citrus-based aroma (lemon type smells) will be noticeable. Base notes give your fragrance a

more musky, natural smell. Either way, go ahead and blend a few of the fragrances together and see what combination you prefer.

Tip: As a rule of thumb, each note should make up a certain percentage of the perfume, so be sure to balance out the use of notes. Too much of any one will affect the life of the fragrance. A good way to start is by blending 1 Top note, 1 Heart note and 1 Base note.

How to Smell Perfumes like a 'Nose'

There is a sheet of paper in the kit, perforated into strips. To test your fragrances or perfumes, take a paper strip and dip one end into a fragrance. Then waft it gently in front of your face, about 20cm under your nose. Don't put it too close to your nose, or you won't get the full fragrance.



Let's Start Blending!

Before handling the fragrances, put on your lab gloves. You will be handling large quantities of fragrances, and although these will not damage your skin, they can be quite hard to wash off! Before taking off the gloves, wash and dry your hands, so that the gloves are ready for next time.

Start by fitting each of the fragrance bottles into the holes in the plastic tray, and put a pipette (plastic dropper) in front of each.

Tip: Always use the same pipette with the same fragrance, so that you don't contaminate the other fragrances.

The small depressions in the tray are so that you can mix test fragrances one drop at a time.

Using a pipette, suck up a small amount of fragrance then carefully squeeze one drop

in to the depression (return any unused fragrance back to the bottle), then using a different pipette add a drop of another fragrance and so on until you have created the blend you want.

Tip: If you have never used a pipette before, practise using one with some water first. You will need to learn how to be precise, squeezing out one drop at a time.

To begin, you could try the following blend:

- 1 Drop of Musk (Base note)
- 1 Drop of Pink Flowers (Heart note)
- 1 Drop of Green (Top note)

Next, use a test strip to assess the smell.

Tip: Write the blend you have used on the test strip so you can remember the formula. This is useful when you have several strips and are comparing different blends.



Next you could add to your perfume blend:

2 drops of citrus (a second Top note)

See how this compares to the first blend and whether you prefer the smell.

Tip: Don't forget that the Top notes give the perfume its immediate smell; the Heart notes and Base notes develop more slowly, so it is good to leave the test strip for half an hour then try it again. It will now smell a little different.

Record more details in the table below of how many drops of each fragrance you used to blend each perfume, and your notes on the smells (such as sweet, sour, light, heavy, outdoors, lemon, raspberry, or whatever it smells like to you). Or you can rate the perfume as a score out of 5.

Perfume Name	Citrus Top note	Fruity Top note	Green Top note	Pink Flowers Heart note	White Flowers Top note	Marine Heart note	Herbal Heart note	Musk Top note	Vanilla Top note	Notes: (how did you think the perfume smells just after mixing, and half an hour later?)
Test 1	1	1	1	1	1	2				3/5 light, subtle
Test 2	2		1	1	1			1		4/5 grapefruit

Fragrance Personality - How to Create Individual Perfumes.

As a guide and to help you create perfumes that are unique, use the chart below to help you find the perfect perfume blends for you, your friends and family members.

Each scent has a 'personality' and to create the perfect blend, select those scents that best match the traits of the person you are creating the perfume for.

For instance, if your friend is hardworking, artistic, sporty and fashionable, check the chart below and create a blend using Musk, White Flowers, Green and Fruity.



Chart showing fragrance personalities.

Musk	Hardworking, dependable, individual
Vanilla	Caring, friendly, warm
Pink flowers	Romantic, feminine
White flowers	Artistic, creative, musical
Citrus	Playful, fun, joker
Green	Sporty, adventurous
Herbal	Giving, thoughtful, studious
Marine	Achiever, practical, thoughtful
Fruity	Party girl, fashion conscious, sociable

Here are a few blends that the FabLab 'noses' invented you could try to see (smell) how they compare to your own creations.



Perfume Name	Citrus	Fruity	Green	Pink Flowers	White Flowers	Marine	Herbal	Vanilla	Musk
	Top note	Top note	Top note	Heart note	Heart note	Heart note	Heart note	Bass note	Bass note
Fruity Floral		2		1	1		1	1	
Summer	2		3	1	1				1
Tropical	2	2		2		1		2	1
Cut flowers			1	2	2			1	
Party time	1		1	2				1	2
Aftershave			2			1	1	1	1
Outdoors	1		1		1	1	1		1

Scaling Up Production

Once you have designed a perfume you really like you can then fill one of the gift bottles to create your own unique bottle of perfume.

However, you will need to mix your perfume in exactly the same ratio as your test blend to ensure it has the same smell.

Here's the Maths

The Gift Bottles and Diffuser Sprayers can hold approximately 6ml of liquid. This is equivalent to about 120 drops of liquid from a pipette.

To get the correct ratio to fill the perfume bottle, first add up all the drops in your test blend.

For instance, if your blend has 2 drops of Musk, 2 drops of Pink Flowers, 1 drop of Green and 1 drop of Fruity. The total drops used is $2+2+1+1 = 6$

Next, divide the total number of drops required to fill the gift bottle (120) by the total drops used in the test blend (6). $120 / 6 = 20$. Then multiply the answer by the number of drops used in the test blend for each fragrance used.

Test Blend	Multiply By	Total Drops Required
2 drops of Musk	20	= 40 drops of Musk
2 drops of Pink Flowers	20	= 40 drops of Pink Flowers
1 drop of Green	20	= 20 drops of Green
1 drop of Fruity	20	= 20 drops of Fruity



You will need to be very careful and accurate when filling the bottle.

Make a Gift

Once you have filled your bottle write out a gift label for your perfume (invent a special name for it!), wipe the bottle dry and apply the label. It is now ready to use or give as a present. If you are creating a gift for a friend or loved one, use the gift box, gift tags and ribbons to make the gift extra special.



Make a Room Fragrance Diffuser

You can create a simple room fragrance diffuser by adding a few drops of your favourite perfume blend to 3 or 4 times the quantity of fresh water (tap water is fine) in a small jar, then stand a few of the diffuser reeds in the jar. As the diluted perfume soaks up into the reeds it will slowly evaporate, leaving a pleasant scent in the air. A great way to make your room smell special!

