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Chromatography
Lab Procedure

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3: Paper Chromatography- Separation and Identification

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Paper chromatography is one of the types of chromatography procedures which runs on a piece of specialized paper. It is a planar chromatography system wherein a cellulose filter

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paper acts as a stationary phase on which the separation of compounds occurs.

**Paper
Chromatography |
Instrumentation
| Online ...**

Plant Traveling
Lab. TTU/HHMI at
CISER. 2010 2

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The bands derived in paper chromatography contain the pigments found in the plant. The bands can be cut apart, and placed in alcohol to elute the pigment in an

2: Paper

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Chromatography of Gel Ink Pens (Experiment ...

Paper

chromatography
is used as a
qualitative
analytical
chemistry
technique for
identifying and
separating
colored mixtures
like pigments.

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It is used in scientific studies to identify unknown organic and inorganic compounds from a mixture.

**Paper
Chromatography
(Procedure) -
Amrita Online
Lab**

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In paper chromatography, the sample mixture is applied to a piece of filter paper, the edge of the paper is immersed in a solvent, and the solvent moves up the paper by capillary action. It is

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the simplest and
commonest form
of liquid-liquid
chromatography.

PAPER

**CHROMATOGRAPHY -
chemlab.truman.e
du**

In this
experiment,
similar
principles are
used to separate

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several metal cations by a paper chromatography procedure. The metal ions— Ag^+ , Fe^{3+} , Co^{2+} , Cu^{2+} , and Hg^{2+} —have differing solubility in the mobile phase—aqueous HCl with ethyl

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and butyl alcohol—and will move at different rates up the paper.

What Is Paper Chromatography and How Does it Work?

Chromatography is using a flow of solvent or gas to cause the

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components of a mixture to migrate differently from a narrow starting point in a specific medium, in the case of this experiment, filter paper. It is used for the purification and isolation of

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various

substances. A chromatographically pure substance is the result of the separation.

Paper

Chromatography

Lab Procedure

Real Lab

Procedure Take a

Whatman filter

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paper strip and
using a pencil
draw a
horizontal line
4cm from one end
of the paper.
Then draw
another line
lengthwise
(verticallly)
from the centre
of the paper.
Name the point
at which the two

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lines intersect
as P.

Part A-

Chromatography of Markers Lab

Experiment 1 -
Paper

Chromatography
Christi

Koutrelakos Lab

Partners: Anna
Krikorian,

Griffin Jones,

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Madeline

O'Connel 1/20/13

Chem 1212K -

Section L06

Honor Pledge: "I
did not share
any part of this
lab report after
lab was
finished."

Paper

chromatography -

Principle,

Page 21/41

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Applications ...

Part A. Drawings
of Tested Pens'
Chromatography
Paper. Pen 1 Pen
2 Pen 3 Pen 4.

Part B.

Calculated Rf
Value for Tested
Pens' Pigment(s)

Conclusion:

Works Cited:

Godfrey-Lee

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Public Schools
Forensics. Lee
High School 2013
Spring
Trimester. Paper
Chromatography
Lab - Procedure

**Paper
chromatography
experiment
setup.**

In paper
chromatography,

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the sample mixture is applied to a piece of filter paper, the edge of the paper is immersed in a solvent, and the solvent moves up the paper by capillary action.

Components of the mixture are

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carried along
with the solvent
up the paper to
varying degrees,

Procedure of Paper

**Chromatography |
Science of**

Chromatography
chromatography

paper in the
dots will be

above the liquid

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level. 11) Add the chromatography paper to the 100ml beaker and watch the movement of the solvent. 12) When the isopropyl alcohol is about 1cm from the top of the paper, remove the paper

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and lay it flat
on a piece of
paper towel.

Paper

Chromatography:

Separation and

Chromatography

is a method of

physically

separating

mixtures into

its individual

components. It

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is a common
laboratory
technique used
to identify
unknown
components in
mixtures.

**Experiment 1 -
Paper
Chromatography -
Experiment 1
Paper ...**

Paper

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chromatography (PC) is a type of a planar chromatography whereby chromatography procedures are run on a specialized paper. PC is considered to be the simplest and most widely used of the

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chromatographic techniques because of its applicability to isolation, identification and quantitative determination of organic and inorganic compounds.

Paper

Chromatography

Page 30/41

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Lab Procedure

Procedure: Cut the chromatography strip out of the coffee filter (or other paper, see above). The length of the strip depend on the height of the chamber the width does not matter but it

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should be able
freely get in
the
chromatography
chamber. Draw a
pencil line one
inch from the
bottom of the
strip.

**What Is Paper
Chromatography:
Principle,
Types, & Uses**

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Now, let's
separate the
pigments from
fresh spinach
leaves using
paper
chromatography.
Materials
required. Real
Lab Procedure.
Take a few
freshly plucked
green spinach

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leaves. Using scissors, cut the spinach leaves into small pieces and let them fall into the mortar. Take a measuring cylinder that contains 5ml of acetone and pour it into the ...

Paper

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Chromatography Report - BIOLOGY JUNCTION

Chromatography is one of the first tools used in such situations. In this technique, many types of mixtures can be separated into the component pure substances;

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by comparison to a standard sample, each component substance can also be tentatively identified.

**Paper
Chromatography
(Procedure) -
Amrita Online
Lab**

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Procedure of
Paper
Chromatography.
The spot of the
test sample is
loaded on the
filter paper
using a
capillary tube.
This spot should
always be a
concentrated but
a very minute
one. Capillary

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tubes are used
in paper
chromatography,
because a small
quantity can be
taken into the
tube without any
force. ... Parts
of The Column
and Its
Procedure ...

**What is Paper
Chromatography?**

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Principle and Procedure

Chromatography technique that uses paper sheets or strips as the adsorbent being the stationary phase through which a solution is made to pass is called paper chromatography.

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It is an inexpensive method of separating dissolved chemical substances by their different migration rates across the sheets of paper.

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da90caa89ddb471d](#)