





The simpliest analytic to determine, qualitatively, the fermentation process of malic acid in wines.

Contains

· I cromatographic bell glass	ref. 3026205
· I support	ref. 1012009
· I developer bottle	ref. 1012006
· I pack of paper (50 uts.)	ref. 1012007
· 2 petri plates	
· 25 plastic micropipottos	rof 1012010

25 plastic micropipettes ref. 1012010 [required time: +/- 2+4 hours]



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Instructions

The technique applied

- 01 Place base I on the table. In its interior place base 2, smaller, and inside this one, drop the developer liquid up to the half of its volume. Finally cover it with the bell glass.
- 02 Take a chromatographic paper. Place it on the support and bend it observing that the lowest part of the paper leaves a separation of 2 mm regarding the table.
- 03 Mark a cross, with a pencil, the center where the samples will be dropped, equidistants between them, and about 15 mm from the bottom part of the paper. On the top write down the sample description.
- 04 Then place the paper on the border of clean surface leaving floating half of it. Use the micropipettes to place 2-3 drops of sample over the crosses from before trying to dry them with (hot) air between each drop.
- 05 Once dryied withdraw the bell glass and hung the paper on its support setting this one around base 2 ensuring that paper is dived in the developer.
- 06 It is covered again with the bell and it is let to ascend the developer liquid until it almost reaches the top part.
- 07 Once finished withdraw the paper and let it dry in an airy place and in absence of acid vapours.
- 08 Once well dried yellow spots could be observed over a blue background spread all over each sample.
- 09 The wine's acids separate each other following the order from down to up: tartaric, malic and in the top part lactic (and succinic).

Observations

- O Keep the developer liquid covered with cover 2 and again with cover 1, or keep it in another bottle for further chromatographies.
- Keep the paper well closed in a dry place and in absence of acid atmospheres or humidity otherwise background will be yellowish or bluish basic atmospheres.
- For more information please visit www.gabsystem.com, call to +34938171842 or write to gab@gabsystem.com. Only in GAB you will receive the best assessment from our products.



There is available CML paper of 10x15 cm. [Ref. 1012002], a wider paper in which 5 to 6 samples are hold saving operation time. It is rolled by himself with an office clip and it is continued as in the following photos:



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