

General & useage information

This kit is supplied as 3 separate reagents that can be used to prepare fresh solutions of upto 7 different Haematoxylin Stains for use in Histology & Cytology.

By using this kit it allows for the preparation of fresh reagent each time that can be used immediately .

By preparing fresh reagent each time this avoids problems due to deterioration of the stain over long storage times.

The kit has a long shelf life and can be used to prepare very small or large amounts.

Specification

Haematoxylin concentrate 250ml , Mordant solution 2 x 250ml, Oxidant 100ml.

Additional reagents depend upon which haematoxylin reagent is being prepared, usually, acetic acid and deionised water are required, but occasionally glycerol may be needed.

Control slides are recommended to ensure the staining reagents system is working correctly.

Methods to prepare various haematoxylin reagents

In all cases below the methods are to produce 100ml reagent. Store prepared reagents in brown glass or dark plastic bottles with a tight lid to avoid oxidation by air. Store at room temperature . Use within 1 month.

Harris Haematoxylin (not-acidified)

Mix 7ml Mordant, 5ml Haematoxylin concentrate and 86ml deionised water and add 2ml Oxidant. Mix well.

Harris Haematoxylin (acidified)

Mix 7ml Mordant, 5ml Haematoxylin concentrate and 82ml deionised water , 2ml Oxidant and 4ml Acetic acid (99%). Mix well.

Mayers Haemalum (Haematoxylin Mayers)

12ml Mordant, 5ml Haematoxylin concentrate , 80 ml deionsed water, 1ml Oxidant, 2ml Acetic acid (99%). Mix well.

Gills No 1

7 ml Mordant, 2ml Haematoxylin concentrate, 88ml deionsed water, 0.5ml Oxidant, 2ml Acetic acid (99%). Mix well.

Gills No 2

14ml Mordant, 4ml Haematoxylin concentrate, 80ml deionsed water, 1ml Oxidant, 2ml Acetic acid (99%). Mix well.

Gills No 3

20ml Mordant, 6ml Haematoxylin concentrate, 71ml deionised water, 1.5ml Oxidant , 2ml Acetic acid (99%). Mix well.

Ehrlichs Haematoxylin

20ml Mordant, 6ml Haematoxylin concentrate, 40ml deionsed water, 30ml glycerol, 1.5ml Oxidant, 3ml Acetic acid (99%). Mix well.

Delafields Haematoxylin

20ml Mordant, 6ml Haematoxylin concentrate, 42ml, deionsed water, 30ml glycerin, 1.5ml Oxidant. Mix well,

Application methods

There are so many uses for which these Haematoxylin reagents may be used that it is beyond the scope of this leaflet to mention them all. It is assumed the Histological laboratory will already have standard operating procedures for using a common reagent of this type. If method information is required, please contact us.

Material safety Data Section

This Mordant contains inorganic aluminium salts and is irritant and maybe harmful to eyes and skin and internal organs. Do not consume the reagents. Wear suitable protective clothing. In all cases take off contaminated clothing and wash with soap & water. In case of contact with skin and eyes, rinse with large volumes of water or rinse from an eye bath for several minutes and seek medical attention. In all cases of skin contact wash with soap and water, if soreness persists seek medical attention. In cases of inhalation, move patient to a clear air zone to recover. If patients feels unwell seek immediate medical attention. Show this sheet to medical professionals if needed.

Haematoxylin reagents contain haematoxylin dyes, inorganic aluminium salts and harmless organic solvents and water. HARMFULL by ingestion and eye contact. Will irritate eyes and discolour skin. Follow guidelines above.

Accidental Spillage & Waste Disposal

For all reagents listed – mop up spillage with cloth, rinsing the cloth under tap water diluting the spill to Public Sewer or mop up with absorbent paper or granules and dispose of through a waste disposal contractor allowing the final residue to evaporate to air. Consult local regulations if required.

Unsatisfactory Performance & Limitations

As part of our duty to monitor product performance and our policy of continual improvement. Please report to us any unsatisfactory performance you may experience with this product. If any reagent degrades before expiry date of shelf life we will replace that reagent free of charge.

GCC Diagnostics guarantees that the highest quality reagents are supplied with this product and that the product conforms to the information contained in this leaflet.

The user should however, determine the suitability of this product for their particular use.

If you wish to report any findings to us or if you require help or further information on the use of this product please contact us.

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