

Hale Reaction

Kit to highlight colloidal iron and polysaccharides acids



Manufacturer: Diapath S.p.A.

Use

Reagent for in vitro diagnostic use

Code	Test	Reagents	Code	Packaging
		Colloidal Iron	G095AA	1X30 ml
		Acid Buffer	G096AA	1X30 ml
010312	100	Potassium Ferrocyanide (II)	PMT0001	10X 8 gr
		Hydrochloric Acid 50%	G045AA	2X100 ml
		Kernechtrot (Nuclear Fast Red)	C048AA	1X30 ml

Description

The kit is designed for demonstrating colloidal iron and polysaccharides acids, such as ialuronic acid in histological sections.

Specimen and preparation kind

- Preparation: paraffin section
- Suggested fixative: formalin
- Control tissue: cartilage
- Storage temperature: +4°/+8°C
- Procedure time: 30 min
- Critical step: use positive control, do not use metal objects, use new reagents

Staining protocols

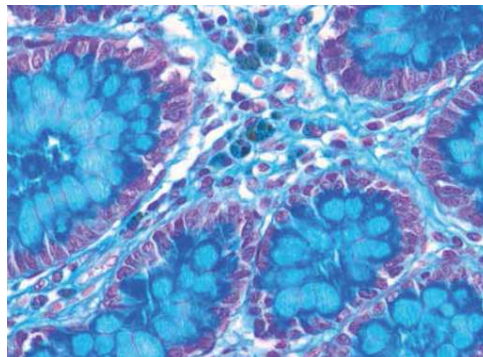
Drain reagents directly on section in a way to cover it completely.
To avoid section excessive drying, use an incubator box.

1. Deparaffinize and hydrate to distilled water
2. Cover the sections with 10 drops of **Colloidal Iron** and 10 drops of **Acid Buffer** for 10 minutes
3. Wash more times in distilled water
4. Set 100 ml of Potassium Ferrocyanide solution: melt well **Potassium Ferrocyanide II** in 80 ml of distilled water, then add 20 ml of **Hydrochloric Acid** (do not use metal object)
5. Dip the slides into Potassium Ferrocyanide solution (already prepared – point 4)
6. Wash more times in distilled water
7. Cover the sections with **Kernechtrot (Nuclear Fast Red)** for 5 minutes
8. Quick washing in distilled water
9. Dehydrate quickly, clear and mount with balsam

WARNING: Potassium Ferrocyanide solution shall be prepared as soon as it is used.
Use more times the same solution could provoke false positive. We suggest using a tissue with positive control.
The reagents are stored at 4-8°C, we suggest keeping them at room temperature before the use for at least 10 minutes. If used cool, the reaction is considerably reduced.

Results

Iron:	Blue
Acid mucins:	Blue
Cellular nuclei:	Red

**Quality control**

The products and the raw materials are entered and constantly monitored by computer systems that allow traceability between batch number of each single product and batches of their raw materials.

Instructions of use

To avoid mistakes, the product should be used by qualified and trained staff. Professional use product. The guidelines concerning safety on the workplace must be applied according to current regulations. The tools used for diagnosis must be suitable for diagnostic use in laboratory. The diagnosis should be performed only by authorized, trained and competent staff. Control sections should be used during each test to avoid incorrect results.

Storage

Store the product according to the specifications listed on the label. The product, if opportunely stored and integrally packed, is stable up to the expiry date reported on the label. Do not use after expiration date.

If the reagent is not stored as recommended, its performance may change and must be validated by the user. After opening, the reagent is stable up to expiration date but only if stored in its container and in accordance with the specifications listed on the label. It is recommended to close the container tightly after the use.

Disposal instruction

The expired and/or unused product must be disposed according to local waste regulations, based on danger classification on the label and after possible contaminations evaluation. In some cases it may be necessary an analytical evaluation to determine the correct waste classification and the danger features.

Labeling legend

N° di lotto



Produttore



Limiti di temperatura di conservazione



Codice prodotto



Data di scadenza



Dispositivo medico-diagnostico in vitro



Fotosensibile

For more information see the MSDS.