

SPEEDY-DIFF

Complete Kit

Catalogue numbers
610815, 610811
610810 & 610819

IVD



INTENDED USE

The Clin-Tech Speedy Diff Complete Kit can be used for rapid differential staining of cells in pathological specimens e.g. Blood, Parasites, H-Pylori, and Nuclear Stain

KIT PRESENTATION

Reagents

	610815	610811	610810	610819
<input type="checkbox"/> Speedy Diff 'A' (Buffered Eosin Y)	500mL	1 Litre	2.5 Litre	5 Litre
<input type="checkbox"/> Speedy Diff 'B' (Buffered Azur / Methylene Blue)	500mL	1 Litre	2.5 Litre	5 Litre
<input type="checkbox"/> Speedy Diff Fixative (Coloured Methanol)	500mL	1 Litre	2.5 Litre	5 Litre

Also recommended:-

Sorensen's Buffer pH 6.8 (Cat No. 610210)

Do not use reagents beyond the expiry date printed on the label.

PROTOCOL

Preparation

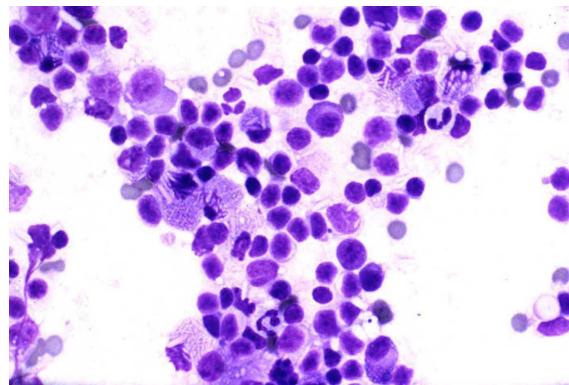
- 1) Make blood films in the normal way and air dry immediately.
- 2) Tissue: Any well fixed tissue can be used, however, it is suggested to use buffered formalin fixed tissue.
- 3) Cut Paraffin sections 5 microns.

Test Method

- 4) Dip slides in Fixative 5 times (approximately 1 second per dip).
- 5) Dip slides in Speedy Diff 'A' 5 times as described above.
- 6) Dip slides in buffered distilled water twice.
- 7) Dip slides in Speedy Diff 'B' 5 times as described above.
- 8) Dip slides in buffered distilled water 5 times.
- 9) Drain and allow to dry.
- 10) Examine under Oil Immersion lens as normal.

Results

Chromatin of white blood cell	Purple to blue
Nuclei of Parasitic protozoa	Red to bright pink
Eosinophilic Granules	Bright Pink
Neutrophilic Granules	Purple
Red Blood Cells	Gray
Helicobacter Pylori	Blue
Nuclei	Blue-Purple
Cytoplasm	Pink-Orange



Fine needle aspiration cytology of the right parotid mass showing numerous polymorphic lymphocytes. (medium high power x 550).

Kanthan and Torkian *World Journal of Surgical Oncology* 2003 1:12 doi:10.1186/1477-7819-1-12

PROCEDURAL NOTES

The number of 'dips' or their timings can be varied to suit individual preferences.

Step 6 is not essential, but gives slightly better staining results and extends the useable life of Speedy Diff 'B' used in step 5.

The Speedy Diff Fixative and buffered water should be changed regularly.

Speedy Diff solutions 'A' and 'B' should be changed if precipitation occurs or if staining results deteriorate.

Staining racks and troughs allow numerous slides to be stained simultaneously.

If stain is too intense, differentiate slide in two changes of 0.25% Acetic Acid. Following treatment in 0.25% Acetic Acid, rinse slide or smear in deionized water before microscopic examination

SAFETY PRECAUTIONS

Store the Speedy Diff Fixative in a well ventilated flammable store.

REFERENCES

1. Laboratory Medicine; Vol. 25, No. 6; June 1994; pp. 389

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Instructions for use edition C22-31