

Maldonado's Method For Pancreatic Islet Cells

Catalog #26458

Fixation

Bouin's without Acetic Acid

Section

Paraffin, @ 6 Microns

Staining Procedure

1. Deparaffinize and hydrate to distilled water.
2. Stain for 10 minutes in **Phloxine Solution, 1%** (26202-01) Rinse in distilled water.
3. Place for 1 minute in **Phosphotungstic Acid, 3%** (26458-02). Rinse in distilled water.
4. Stain for 30 seconds in **Azure II Solution, 0.05%** (26458-03) Rinse in distilled water.
5. Stain in Weigert's working solution for 1 minute. Rinse in distilled water.
To prepare Weigert's Working solution:
Mix just before use:
1 part **Weigert's A** (26458-04)
1 part **Weigert's B** (26458-05) DO NOT REUSE!!!!
6. Dehydrate in 95% alcohol, absolute alcohol and clear in xylene, two changes each.
7. Mount with **Permount** (17985)

Results

	Human Tissue
Alpha granules:	Purple
Beta granules:	Violet Blue
D-cell granules:	Light blue with evident granules
Exocrine cells:	Grayish blue with red granules

References

Maldonado, R. and San Jose, H. Stain Techn., 42:11-13, 1967

Luna, L.G., (ed.), Manual of Histologic Staining Methods of the AFIP, 3rd edition, McGraw, N.Y.
p. 105, c. 1968