SEVIER-MUNGER METHOD FOR NEURAL TISSUE

		For In Vitro Diagnostic Use:	STAINING PROCED
	PURPOSE:	Intended for the qualitative demonstration of neurons.	1. Deparaffinize and hydrate to distilled water
			 Preheat Silver Nitrate 20% Aqueous to 60°C silver solution and let them remain in oven
	PRINCIPLE:	Neurons are able to absorb Silver. This deposited Silver acts as a catalyst, facilitating the reduction of Silver ions in the developer by Formalin to the visible form. Sodium Thiosulfate removes any non bound silver.	3. Rinse one slide at a time in distilled water t
			 To Ammoniacal Silver Nitrate (Sevier–Mung Aqueous shaking gently while adding. Pour for 5-30 minutes until golden brown. Keep
	CONTROL:	Brain	 Examine microscopically. DO NOT WASH. I nor too slow.
		Control Slides can be purchased from Histology Control Systems, See inside back cover, Item# cs031	6. Rinse well in fresh tap water, 3 changes.
			7. Place in Sodium Thiosulfate 5% Aqueous for
	SPECIMEN PREPARATION:	Formalin fixed, paraffin embedded or Formalin fixed frozen sections cut at 6 micrometers	8. Wash in water.
			9. Dehydrate in 95% Alcohol, Absolute Alcoho
	SOLUTIONS:	 Silver Nitrate 20% Aqueous Item# s2003 Formalin 2% Aqueous Item# s2001 Sodium Thiosulfate 5% Aqueous Item# s1895 Ammoniacal Silver Nitrate Sol-Sevier Munger Item# s114A Solutions can be purchased separately from Poly Scientific. 	10. Mount with Poly Mount (Item# s2153) or an RESULTS:
	NOTES:	Avoid chromate fixatives.	Large and Small Peripheral Neurities
			Axons
			Myelin Sheath
		Luna Lee G. Manual of Histologic Staining Mathods of the Armed	Collagen and Muscle
	REFERENCE:	Forces Institute of Pathology. 3rd Ed. McGraw-Hill Book Co. New York. 1968. pp. 216-217.	Argentaffin Granules

-----DURE:

- C for 15 minutes. Add slides to warm for 15 minutes.
- hen place in a clean coplin jar.
- ger) add 10 drops of Formalin 2% quickly over slides, let develop in motion to avoid precipitate.
- Developing should be neither too fast
- or 2 minutes.
- ol and clear in Xylene, 2 changes each.
- ny other acceptable mounting medium.

Large and Small Peripheral Neurities	.Black
Axons	.Black
Myelin Sheath	Light Brown.
Collagen and Muscle	.Brown
Argentaffin Granules	.Black

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