

## Special Staining List

Updated 4/22/16

<http://mhpl.facilities.northwestern.edu/>

Olson Build 8-335, Tel: 312-503-2695; Email: [MHPL@northwestern.edu](mailto:MHPL@northwestern.edu)

#	Name	Classification	* Level
1	Alcian Blue pH 1.0	sulfated mucosubstances	2
2	Alcian Blue pH 2.5	acid mucopolysaccharides	2
3	Bielschowsky silver stain (Modified)	nerve fibers, neurofibrillary tangles, senile plaque	3
4	Brown and Brenn (Modified)- Gram Stain	gram (+) & gram (-) bacteria	2
5	Cresyl echt Violet	Nissl body cytoplasm of neurons	1
6	Fontana Masson	argentaffin (melanin) granules	2
7	Gordon and Sweet's Silver Staining	reticular fibers	3
8	Grocott's Methanamine Silver Method	fungi, pneumocystis carinii, histoplasma SPP	3
9	Hall's Bilirubin stain	Bile stain	2
10	Jones Methanamine Silver Method	basement membranes	3
11	Luxol Fast Blue	myelin	3
12	Luxol Fast Blue – Cresyl Violet	myelin & Nissl substance	3
13	Mucicarmine (Mayer's Method)	Acidic mucins, sulphated mucins, cryptococcus neoformans	2
14	Muller-mowry colloidal iron	Carboxylated, sulfated mucopolysaccharides, glycoproteins	2
15	Nuclear Fast Red	counterstain	1
16	Oil Red O	lipids	1
17	PAS with Diastase Digestion	glycogen	2
18	Periodic Acid Schiff (PAS)	polysaccharides, basement membranes, mucosubstances, glycogen	2
19	Picro Sirius Red	distinguishes collagen I from Collagen III	2
20	Prussian Blue Reaction	iron-Ferric Form	1
21	Toluidine blue Acidified	mast cells	1
22	Trichrome- Gomoris One-Step	collagen and smooth muscle	2



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#	Name	Classification	* Level
23	Masson's- Trichrome	collagen and smooth muscle	2
24	Verhoff-Van Geison	elastic fibers	2
25	Von Kossa	calcium deposits/salts	3
26	Weigert's Resorcin Fuchsin	elastic fibers	2
27	Zeil-Neelsen Acid-fast Stain	bacteria	2
28	Herovici stain	collagen	2
29	Congo red	amyloid	2
30	Fite Acid-fast Stain	Loprosy Organisms	2
31	Thioflavin stain	amyloid	1
32	Steiner and Steiner	H pylori/Causative organism of legionellosis	3

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\*Level-1 \$7.87 RHLCC member

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\*Level-2 \$10.6 RHLCC member

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\*Level-3 \$16.27 RHLCC member

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