

Supporting Statement Dyes tested for selective adsorption.

Dye name	Short form	Charge
Methylene Blue	MLB	+1
Rhodamine B	RhB	+1
Crystal Violet	CV/MV	+1
Methyl Violet		
Malachite Green	MG	+1
Janus Green B	JGB	+1
Safranine T	ST	+1
Basic Red 9	BR9	+1
Basic Violet 14	BV14	+1
Rhodamine 6G	Rh6G	+1
Azure A Chloride	AA	+1
Phenosafranine	-	+1
Alcian Blue 8GX	AB8GX	+4
Neutral Red	NR	0
Methyl Blue	MB	0
Solvent Yellow 2	SY2	0
Dimethyl Yellow	DY	0
Sudan-I	SD-I	0
Sudan-II	SD-II	0
Fluorescein	FL	0
Indigo	IB	0
Methyl Orange	MO	-1
Acid Red 88	AR88	-1
Acid Orange	AO	-1
Orange II	OII	-1
Congo Red	CR	-2
Reactive Blue 19	RB19	-2
Orange G	OG	-2
Acid Red 26	AR-26	-2
Direct Black 38	DB-38	-2
Amido Black 10 B	AB	-2
New Coccine	NC	-3
Acid Chrome Blue K	ACBK	-3
Xylenol Orange	XO	-4
Direct Red 80	DR	-6