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Substance	Reagent	Wavelength (nm)
Inorganic phosphate	Ammonium molybdate; H <sub>2</sub> SO <sub>4</sub> ; 1, 2, 4-aminonaphthol; NaHS <sub>2</sub> , Na <sub>2</sub> SO <sub>3</sub>	600
Amino acids	(a) Ninhydrin	570 (proline 420)
	(b) Cupric salts	620
Peptide bonds	Biuret (alkaline tartrate buffer, cupric salt)	540
Phenols, tyrosine	Folin (phosphomolybdate, Phosphotungstate, cupric salt)	660 or 750 (750 more sensitive)
Protein	(a) Folin	660
	(b) Biuret	540
	(c) BCA reagent (Bicinchoninic Acid)	562
	(d) Coomassie Brilliant Blue	595
Carbohydrate	(a) Phenol, H <sub>2</sub> SO <sub>4</sub>	Varies, e.g., glucose 490, xylose 480
	(b) Anthrone (anthrone, H <sub>2</sub> SO <sub>4</sub> )	620 or 625
Reducing sugars	Dinitrosalicylate, alkaline tartrate buffer	540
Pentoses	(a) Bial (orcinol, ethanol, FeCl <sub>3</sub> , HCl)	665
	(b) Cysteine, H <sub>2</sub> SO <sub>4</sub>	380-415
Hexoses	(a) Carbazole, ethanol, H <sub>2</sub> SO <sub>4</sub>	540 or 440
	(b) Cysteine, H <sub>2</sub> SO <sub>4</sub>	380-415
	(c) Arsenomolybdate	Usually 500-570
Glucose	Glucose oxidase, peroxidase, α-dianisidine, phosphate buffer	420
Ketohexose	(a) Resorcinol, thiourea, ethanoic acid, HCl	520
	(b) Carbazole, ethanol, cysteine H <sub>2</sub> SO <sub>4</sub>	560
	(c) Diphenylamine, ethanol, ethanoic	635
Hexosamines	Ehrlich (dimethylaminobenzaldehyde, ethanol, HCl)	530
DNA	Diphenylamine	600
RNA	Bial (orcinol, ethanol, FeCl <sub>3</sub> , HCl)	665
α-Oxo acids	Dinitrophenylhydrazine, Na <sub>2</sub> CO <sub>3</sub> , ethyl acetate	435
Sterols	Liebermann-Burchardt reagent (acetic anhydride, H <sub>2</sub> SO <sub>4</sub> , chloroform)	625
Steroid hormones	Liebermann-Burchardt reagent	425
Cholesterol	Cholesterol oxidase, peroxidase, 4-aminoantipyrine, phenol	500

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