

Acid - base indicators

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Indicator	Low pH color	Transition pH range	High pH color
(F) acridine	Green	5.3 - 6.4	Violet
(F) alpha-naphthylamine	Colorless	3.4 - 4.8	Blue
(F) beta-methylumbelliferone	Blue	6.9 - 7.1	Blue
(F) beta-naphthylamine	Colorless	2.8 - 4.4	Violet
(F) coumarin	Colorless	9.2 - 10.5	Green
(F) eosin	Colorless	3.9 - 4.5	Orange yellow
(F) eritrosine	Colorless	3.7 - 4.6	Green yellow
(F) esculin	Blue	1.0 - 1.5	Blue
(F) fluorescein	Blue	3.8 - 4.3	Blue
(F) umbeliferone	Colorless	6.2 - 8.3	Blue
4-dimethylaminobenzol	Red	2.9 - 4.0	Yellow orange
alizarin yellow R	Yellow	10.0 - 12.1	Dark red
bromocresol purple	Yellow	5.2 - 6.8	Violet
bromophenol blue	Yellow	3.0 - 4.6	Violet
bromophenol red	Orange	5.2 - 6.8	Violet
bromothymol blue	Yellow	6.0 - 7.6	Blue
congo red	Blue	3.0 - 5.2	Red
cresol red	Yellow	7.0 - 8.8	Violet
litmus	Red	5.0 - 8.0	Blue
indigo carmine	Blue	11.4 - 13.0	Yellow
m-cresol purple	Yellow	7.4 - 9.0	Violet
malachite green	Yellow	0.2 - 1.8	Blue green
methyl orange	Red	3.1 - 4.4	Yellow
methyl red	Red	4.4 - 6.2	Yellow
methyl violet (Gentian violet)	Yellow	0.1 - 1.6	Blue violet
neutral red	Red	6.4 - 8.0	Yellow
phenol red	Yellow	6.4 - 8.2	Red
phenolphthalein	Colorless	8.2 - 9.8	Pink
thymolphthalein	Colorless	8.6 - 10.0	Blue

(F): Fluorescent indicator.
The shown color is approximate.

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