



Bromocresol Purple

Biological stain, pH indicator, measuring serum albumin concentration

Bromocresol Purple is a biological stain used in microbial culture media as pH indicator. The distinct purple to yellow color shift helps to monitor pH changes.

This dye has colistin resistance property because of its ability to bind to lipopolysaccharide thus preventing colistin binding.

Bromocresol Purple Powder is used in clinical laboratories to assess serum albumin levels. Its capacity to change color in response to protein binding allowing the precise measurement of albumin in blood serum, aiding in medical diagnosis and monitoring.

Cat. Number	ASC-1013
CAS Number	115-40-2
MDL Number	MFCD00011681
PubChem	310268868
Molecular Weight	540.24 gr/mol
Molecular Formula	C ₂₁ H ₁₆ Br ₂ O ₅ S
Storage Temperature	20 °C
Form and Color	Powder / Grey to purple, pink or yellow-brown
Solution Appearance (0.1 % in ethanol)	Clear, Yellow
Solubility	Soluble in ethanol (80 mg/ml), alcohol, methanol (4 mg/ml), methyl cellosolve (300 mg/ml), dilute alkalies. Insoluble in water.
Purity	≥ 95 %
pH Transition Range	5.2 (Greenish-yellow) – 6.8 (Purple-blue)
Wavelength of Maximum Absorption	λ max1:~431.0nm / λ max2:~589.0nm
Absorptivity (1%/1cm)	400 - 450 (pH 5.2 at λ max1) / 1000 - 1100 (pH 6.8 at λ max2)
Synonym	5,5'-Dibromo-o-cresolsulfonphthalein; Bromocresol Purple sultone form