

Specification

Phenol Red for cell culture

A7615

Physical Description:	Solid
Product Code:	A7615
Product Name:	Phenol Red for cell culture
Specifications:	Pyrogen test: passes test Solubility (0.1 %; 95 % EtOH): clear Loss on drying: max. 1 % Identity (IR): passes test
WGK:	1
Storage:	RT
Molecular Formula:	C ₁₉ H ₁₄ O ₅ S
M:	354.38 g/mol
CAS:	143-74-8
EINECS:	205-609-7
CS:	29349990
Comment	<p>Phenol red is used ubiquitously as a pH indicator in tissue culture media, changing the colour of the medium from red to violet with rising pH-values and to yellow at acidic pH values. It has been shown that Phenol red has significant estrogenic activity at the concentrations (15 - 45 µM) at which it is found in tissue culture media by binding to the estrogen receptor (1).</p>
Bibliography	<p>(1) Berthois, Y. <i>et al.</i> (1986) <i>Proc. Natl. Acad. Sci. U.S.A.</i> 83, 2496-2500 Phenol red in tissue culture media is a weak estrogen: Implications concerning the study of estrogen-responsive cells in culture.</p>

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