

ANALYTICAL SPECIFICATION

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FITC-CM-dextran 20
Catalogue No. FCMD20

Description: A fluorescent derivative of a carboxymethyl-dextran fraction produced from a dextran fraction with an average molecular weight of approximately 20000. It is supplied as a yellow to orange powder which is readily soluble in water

TEST/CHARACTERISTIC	LIMITS	TEST METHOD
Appearance, colour	Light yellow to dark yellow or light orange to dark orange or yellow-orange or orange-yellow	02037
Appearance, form	Powder or crystals	02037
Weight average molecular weight (Mw)	20000-30000	02030
Number average molecular weight (Mn)	To be noted	02030
Loss on drying	≤ 10 %	02018
Free FITC	≤ 100 ppm	02005
Emission maximum ¹⁾	517±5 nm	02036
Degree of substitution	0.001-0.020	02002
Carboxymethyl content	3-7 %	02010

¹⁾ Exc. 493 nm in 0.1 M TRIS pH 8.0