

CERTIFICATE OF ANALYSIS

PRODUCT NAME: PHYCOLINK® ACTIVATED RPE
 PRODUCT CODE: PJRC10
 LOT NUMBER: 811 086
 BUFFER: 50 mM MES, 2 mM EDTA (pH 6.0)
 PRESERVATIVE: 1 µg/ml pentachlorophenol
 STORAGE: Store at 2-8°C in the dark. DO NOT FREEZE

ProZyme Phycopro™ RPE was activated with SMCC (succinimidyl 4-[N-maleimidomethyl]-cyclohexane-1-carboxylate). After a buffer exchange step, the product was filtered using a 0.45 µm membrane and stored in a sterile container.

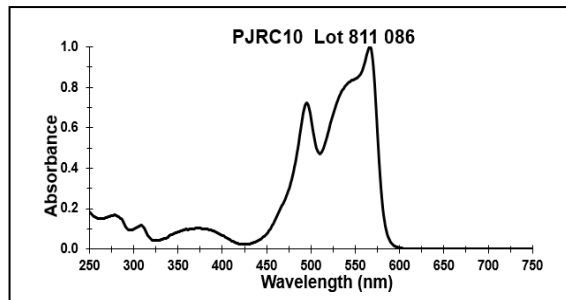
Spectrophotometric Properties

Absorbance λ_{Max} = 566 nm
 Excitation λ_{Max} = 566 nm
 Emission λ_{Max} = 576 nm
 $A_{566}:A_{280} = 5.8$ (≥ 5.0)

Concentration

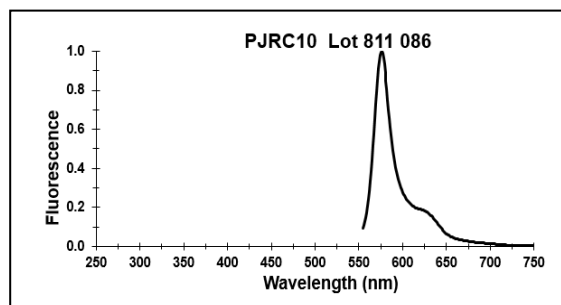
9.90 mg/ml (9.50-10.5 mg/ml)
 Extinction coefficient, $E_{566}^{1\%} = 82$

Absorbance Spectrum



Fluorescence Emission Spectrum

(arbitrary units; excitation at 545 nm)



Standard Antibody Conjugation Test

Passed ($\geq 50\%$ RPE incorporation)

 Authorized Signature

NOTE: Specifications in parentheses

Directions for use of this product may found on ProZyme's web page at <http://www.prozyme.com/documents/pj31kit.pdf>