

pH ! "

3.8(# \$)%5.4(&)

' (

) * +, - . / nm

O (PH3.8)

440%445

' (

O! (PH5.4)

615%618

' (

1 2 3 4 5 6

' (

' (

7 8 +, 9: / L/cm; g

< (O PH3.8, .8,

(;) Tj /F1 11.28 Tf 11.04 0 TD (g) Tj /F1+1 11.28 Tf -113.04 -19.44 TD (<) Tj /F2+1 11.28 Tf 11.28 53