Lyotropic Chromonic Liquid Crystals for Biological Sensing Applications

S. V. Shiyano kii
O. D. La ren o ich
[illegible]

T. Schneider
T. I hikawa
[illegible]

Keywords:

FIGURE 1 The scheme of the lyotropic chromonic liquid crystal biosensor for the detection and amplification of immune complexes.

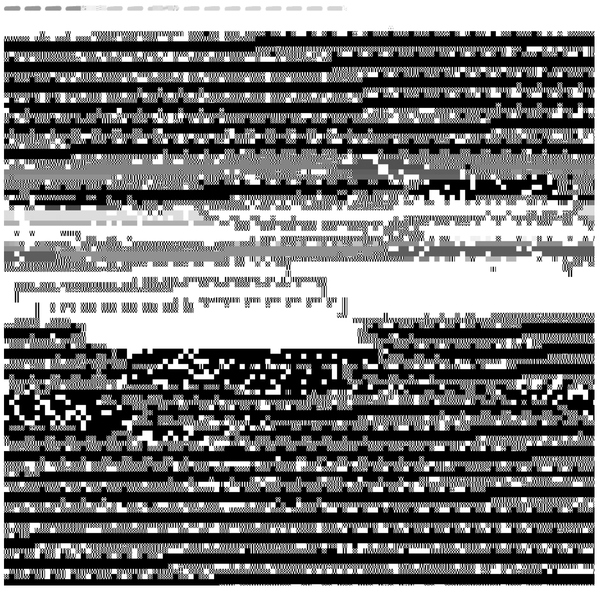

FIGURE 2

=

$$\nabla \beta - \frac{\beta}{\ } = . \qquad (\ )$$

$\beta <$

$$\beta = \sum \frac{}{+} (\ ), \qquad (\ )$$

( ) = $\neq$ =

$$\beta = \beta \left(-\right), \qquad \beta = \frac{}{(+-)} \qquad (\ )$$

β = (+)/

$\beta <$. $<$

$\gg$ Θ , $=$

$$|\ | = -\int^{\infty} \ ^{-}\ \mu\sqrt{\ + \ \mu}\ \ \Delta\Psi\ (z)\ z, \qquad (\ )$$

$\Delta\Psi\ (z) = \ ^{-} \int^{z} \sqrt{\ + \ \mu}\ \tilde{z}$ y $|\ |$

$= \beta$ $\Phi/$ $|\ | = \ \nu\ /$


Fluorescence
PM