Lyotropic Chromonic Liquid Crystals for Biological Sensing Applications

S. V. Shiyanovskii
O. D. Lavrentovich
[illegible]

T. Schneider
T. Ishikawa
[illegible]

Keywords:

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

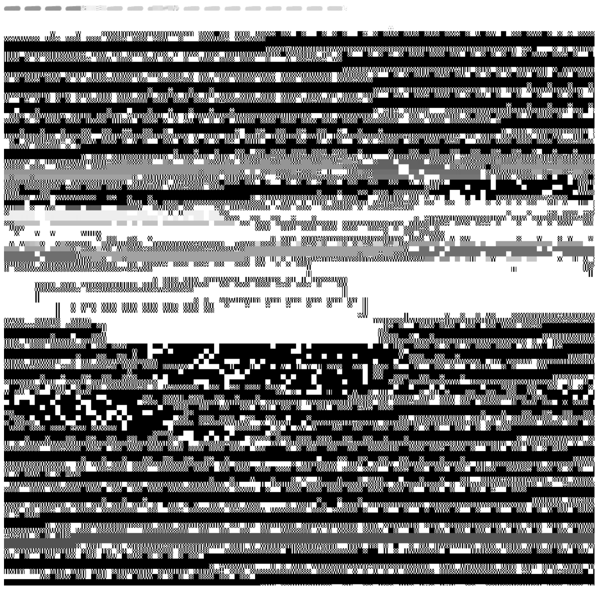

FIGURE 2

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

$\beta <$

$$\beta = \sum_{+} ( ), \qquad ( )$$

$( )$ $=$ $\neq$ $=$

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

β $= (+)/$ $\beta < .$ $<$

$\gg$ Θ , =

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

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

y $| \; |$

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