Lyotropic Chromonic Liquid Crystals for Biological Sensing Applications

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Keywords:

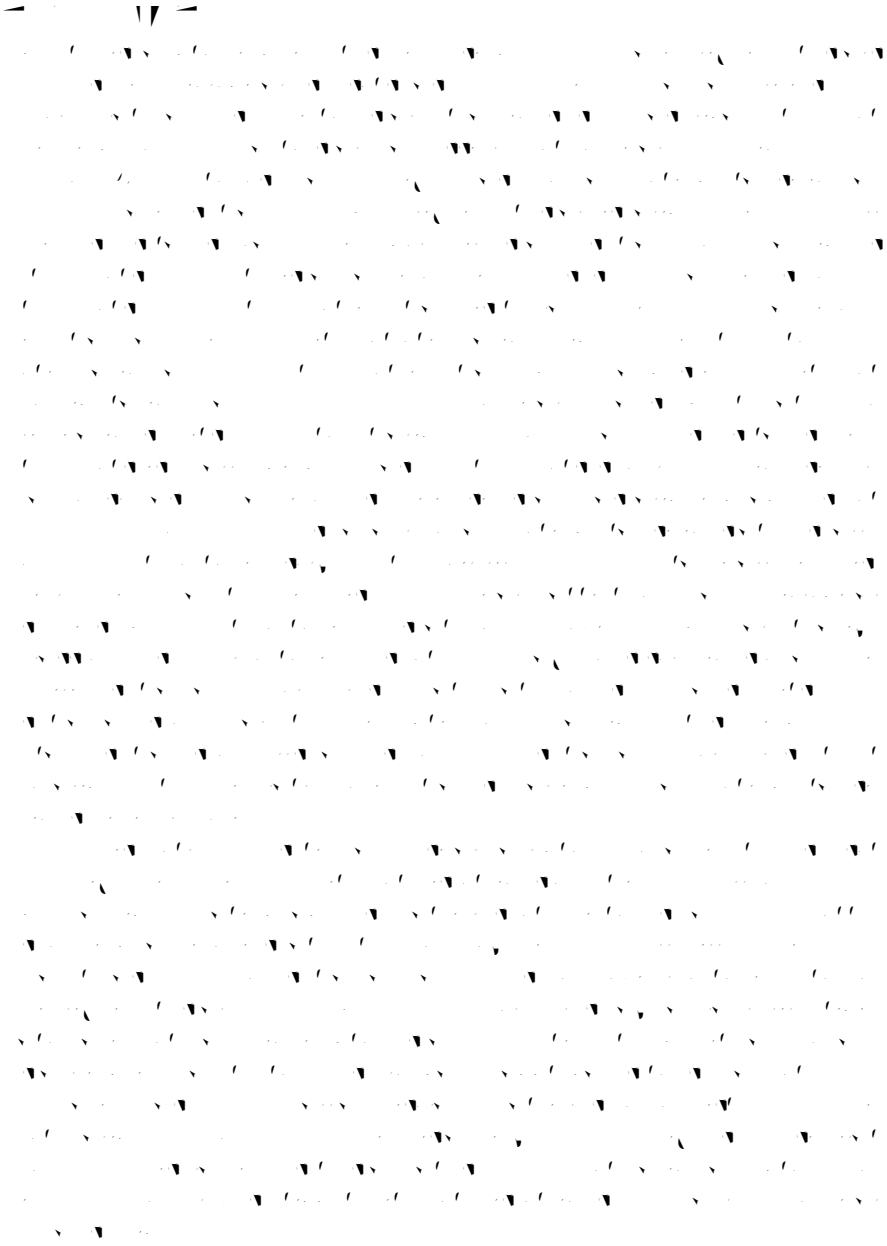

FIGURE 1 The scheme of the lyotropic chromonic liquid crystal biosensor for the detection and amplification of immune complexes.

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FIGURE 2

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

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

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

$$> \beta /$$

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

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

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

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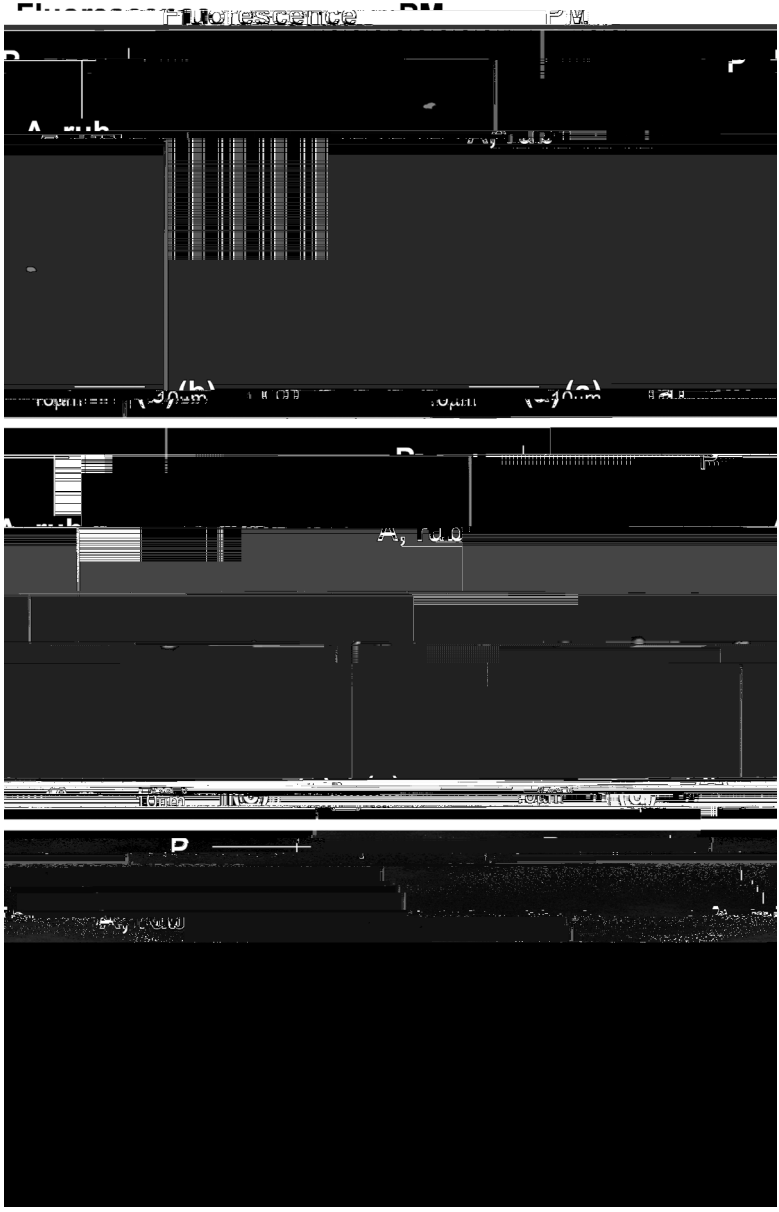

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