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2. The method of claim 1 wherein alternating wells are configured perpendicular to each other.

3. The method of claim 1 wherein said wells are configured parallel to each other.

4. The method of claim 1 wherein said microfluidic streams are propelled by pressure.

5. The method of claim 1 wherein said microfluidic streams are propelled by electrokinetics.

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6. The method of claim 5 wherein at least a portion of the surface of said wells having an electroosmotic mobility that is different from at least a portion of the surface of said mixing channel.

7. The method of claim 1 wherein said first inlet stream comprises a plug of reagent.

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