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Short description

New Biochip Technology for Diagnostic Applications

Product description:	<p>CLONDIAG's ArrayTube™ AT is a revolutionary new platform for performing easy and inexpensive experiments with microarrays. The direct implementation of high quality DNA arrays into a standard micro-reaction tube allows all hybridization and analysis procedures to be performed in an easily manageable and straightforward manner. No more highly specialized equipment is required.</p> <p>Platform for every lab</p> <p>The AT consists of a standard microtube with a high quality DNA array inserted into the tip of the tube. This design allows improved assay performance - array handling becomes much easier and more reproducible. Any solution can be easily pipetted into the AT, incubated and agitated with microtube equipment available in every lab.</p> <p>Applying the ATs in combination with colorimetric hybridization detection is the key to creating affordable array reader systems that can be integrated into every lab. In analyzing the hybridization pattern by transmission measurements, cost intensive detector equipment, like confocal laser.</p> <p>The ATR 01 is an instrument that analyses CLONDIAG ArrayTubes™. For reliable data acquisition, the assay temperature is kept constant during hybridization detection. Operation modes allow endpoint detection and dynamic data acquisition during the precipitation process.</p>
Advantages:	<p>Besides its lab compatibility and easy handling, the AT comprises many other advantages:</p> <ul style="list-style-type: none">▪ Working with the AT platform reduces the amounts of all required reagents.▪ The array integration within the reaction vial guarantees uniform wettability of the array during all processes.▪ As closed system the AT guarantees protection against evaporation and contamination effects.▪ The specific AT design allows online detection of the signal amplification.▪ Array technology becomes accessible to every lab.