







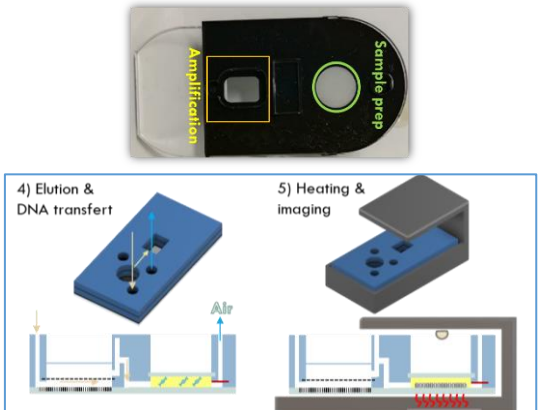


<p>Direct Analysis Ltd <i>Founded January 2021 Based in Grenoble (France)</i></p>	<p>Spin-off from CEA - Leti/DTBS (<i>Technology for biology and health dpt</i>) Licensing and hosting at CEA¹ 7 patents (<i>one of which is our own</i>)</p>	
<p>3 co-founders</p>	<p>Thomas Bordy (general engineer) – in charge of systems and production means Remi Toutain (microbiologist / molecular biologist) – in charge of scientific affairs, product application and industrialization Laurent Viviani (DESS/MBA) – in charge of management and business development</p>	
<p>Shareholders</p>	<p>75% Founders 10% business angels <i>via</i> holding lead by founders 15% CEA <i>via</i> Supernova Invest</p>	
<p>Financial support</p>	<p>Bourse French Tech Emergence OC French Tech Seed BPI France (<i>equity loan</i>) Winner of the i-Lab 2021 grand prize (<i>an innovation contest from the French Ministry of Research</i>) Recovery Plan from The Ministry of Economy (<i>industrialization</i>) BNP and Banque Populaire</p>	
<p>Know-how</p>	<p>Develops and manufactures a microfluidic chip used for DNA/RNA extraction from microorganisms (Xtralyz®). <i>This technology accelerates microbiology analysis performed by the agro-food industry, including pathogens detection through PCR testing.</i></p>	
<p>Target market</p>	<p>Agri-food industries</p>	
<p>Commercialization of the Xtralyz® chip</p>	<p>By leading providers of rapid and traditional microbiological solutions <i>(who will manage the needed certification extension)</i></p>	
<p>Additional equipment: <i>an automate</i> for chips handling</p>	<p>Automate development for DNA/RNA extraction destined to laboratories in the factories, handling all the steps automatically to perform the sample preparation.</p>	
<p>ADRIA Validation</p>	<p>Microfluidic chip performances validated through crash tests realized with ADRIA center following the ISO 16140-2 recommendations (<i>reference technical center for agri-food microbiology</i>).</p>	
<p>Xtralyz® Advantages</p>	<p>Secure, simplify and accelerate DNA/RNA extraction. Compatible with all molecular biology kit providers on the market.</p>	<p>Pathogens detection in ± 6 hours <i>Instead of ±24h depending of the matrix</i></p>

¹ <https://www.cea.fr/english/Pages/cea/the-cea-a-key-player-in-technological-research.aspx>

<p>Additional microfluidic know-how</p>	<p><i>Know-how on microfluidic integration of biological functions.</i></p> <p>e.g., Purification chamber linked to extraction area – allows DNA, RNA or even proteins selection and purification</p> <p>e.g., Integrated biomolecular amplification, for sample preparation and target detection on the same device.</p> <p><i>2 dedicated patents</i></p>	 <p>The image shows a microfluidic device and two process diagrams. The device is a black chip with a yellow square labeled 'Amplification' and a green circle labeled 'Sample prep'. Below it are two diagrams: '4) Elution & DNA transfert' showing a blue chip with a needle and a yellow liquid being transferred, and '5) Heating & imaging' showing a blue chip with a red heat source and a camera lens.</p>
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The value proposition of DIRECT ANALYSIS towards the industry, and indirectly to consumers, can be summarized as follows:

"Gaining in productivity and competitiveness while increasing the food safety of your customers - consumers".



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