

## Ommu 5





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## DIAGNOSTIC INDUSTRY ECO-IMPACT

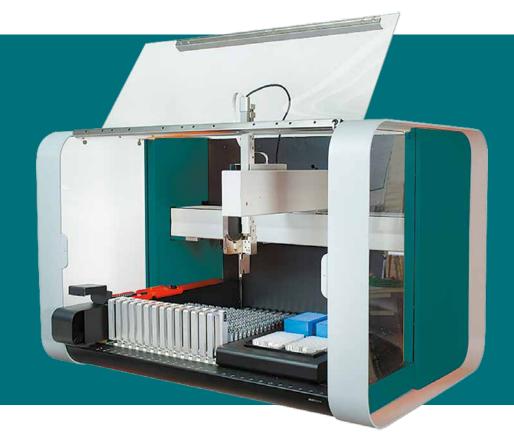
The in vitro diagnostics (IVD) sector significantly impacts the environment, generating an estimated 5.4 million tons of predominantly plastic-based waste annually. In response, the European Commission launched the European Green Deal in 2019 to accelerate ecological transition, and the COP21 agreement set a target to reduce global CO2 emissions by 40% by 2030.

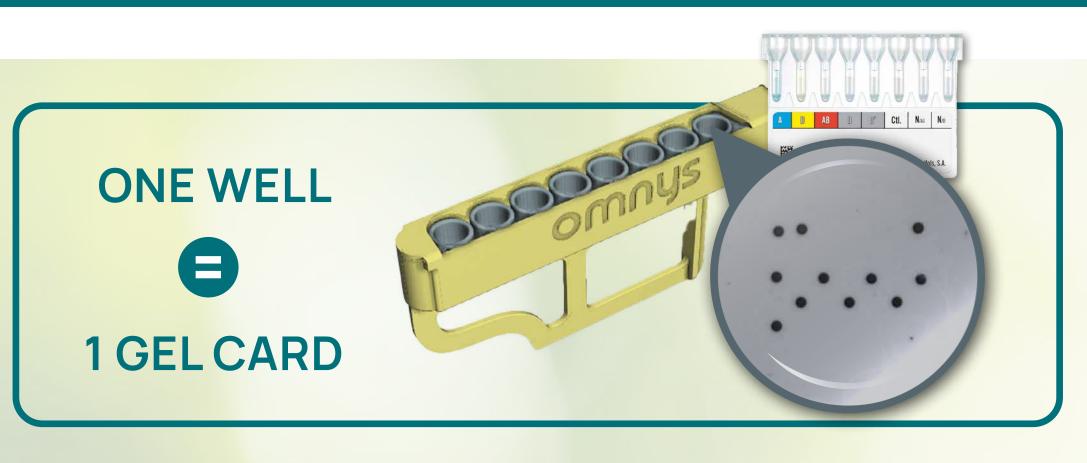
Aligned with these initiatives, we are actively developing solutions to minimize our environmental footprint while maintaining the highest standards of patient safety.



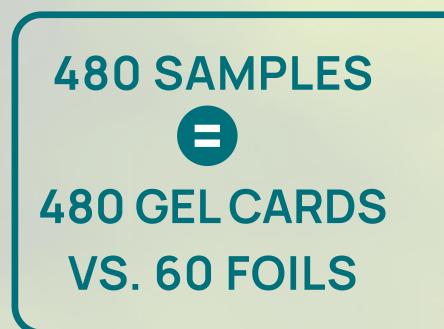
## HOW TO IMPROVE ECO-IMPACT OF BLOOD GROUPING TESTS?

We have developed Omnys®, an innovative patented multiplex assay enabling the detection of all blood group directly from whole blood. This process requires only a few microliters of sample and delivers results in under 5 minutes.











Omnys offers a comprehensive and fully automated solution for complete blood grouping (ABO/D typing, IAT, phenotyping, and extended phenotyping), while supporting the environmental objectives set by COP21.



GELCARD









**164 TONNES** 

33 tonnes de CO

131 tonnes de CO



25 tonnes de CO<sub>2</sub>



omnys

**MICROPLATE** 



12 tonnes de CO<sub>2</sub>





47 tonnes de CO<sub>2</sub>

59 TONNES CO

Shipment and end-of-life (Clinical waste)

for 10 million of samples tested / year. Assumptions: 1 ton of DASRI generates 934kg of CO<sub>2</sub> 1.8 tons of material to be transported generates 421g/km - average distance 1000 km

57% less CO<sub>2</sub> with OMNYS

Omnys is the unique blood grouping technology offering a 57% reduction in the carbon footprint of laboratory activity

1 : FR2405844 : Dispositif et procédé de centrifugation pour la détection de microparticules dans un échantillon biologique 2: WO2021156391: Method for capturing and identifying cellular agglutinates for detecting multiplex anti-erythrocyte antibodies