

Connecting with the problem





Neonatal Intensive Care Units:

- 10 days of stay
- 4-6 x Blood Samples for analysis/ day
- 6 mL/ Blood / day
- Lactate, Glucose, pH, CO₂

Vascular Damage: Hematoma

Thrombosis: 3,9% related vascular thrombosis

Infection: 13% Catheter related Infections

Pain and Stress



Unmet Need

Reduction of morbidity and mortality by thrombosis and infections catheter related

Objective: reduce 50% of cases (110,500 cases/year only in newborn)

Monitor patients with chronic cardiac and respiratory diseases and diabetes

Potential market 1,293.7 million people

Facilitate hospitalization at home by removing the barrier of blood draws

Improving adherence to treatment by the improvement of home monitoring



Onalabs Solution

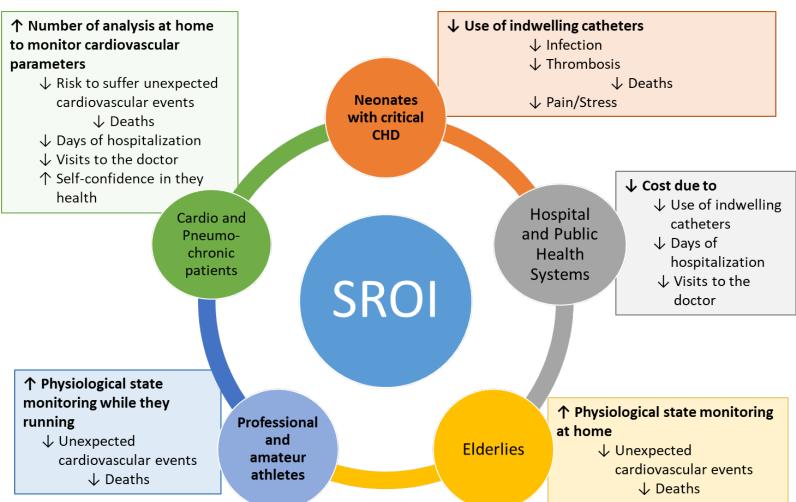
Non-invasive physiological status monitoring by a multibio-sensing wearable medical device connected digitally to the patient environment and the Hospital Information Systems, detecting continuously and real-time sweat levels of Lactate, Glucose, pH and CO₂

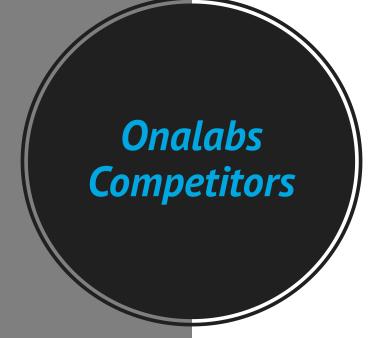


Solution Status









	Onalabs	Abbott	BSX Athletics	Eccrine	Biolinq	MC10
	onalabs.com	freestylelibre.es	bsxinsight.com	eccrinesystems.com	Biolinq.me	Mc10inc.com
	6=	11127				
Available?	X	1	1	X	X	X
Non-Invasive?		X	1	1	X	1
Product life	Long	14 days	Long	Unknown	Unknown	Unknown
Market	EU – US	US	US -Only for wellness	US	US	US
Measures	Glucose, Lactate, pH, CO ₂	Glucose	Lactate	Dehydration	Lactate	Glucose
Price	149 € reader + 6 € sensor	169,90 € reader + 119,80 €/month	From \$ 59,99 to \$ 419,99	No data yet	No data yet	No data yet
Comments		Invasive solution despite their marketing	The results are not reliable	US Air Force contractor	Intradermal system for continuous monitoring	ECG recording sensors

Business Model

Initial – Objective: to position our biosensors as standard

Model: "Machine + Disposables"

Final – Objective: technology leader in biosensors for non-invasive monitoring

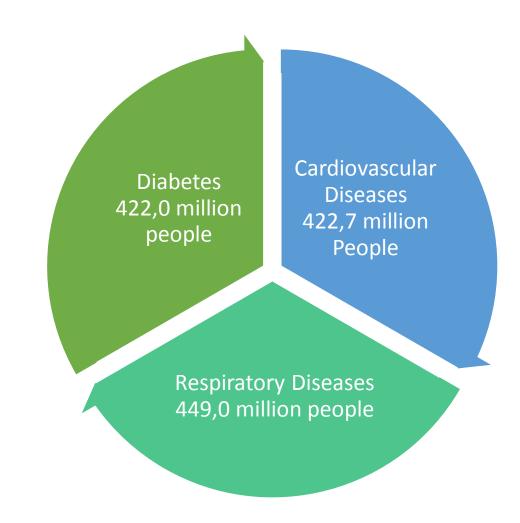
Model: "Onalabs Inside"





Onalabs Global Market

- Focus on non-communicable diseases (NCD)
- NCDs kill 40 million people/year, 70% global deaths
- Cardiovascular and respiratory diseases plus diabetes are 80% of premature NCDs annual deaths:
 - Cardiovascular 17,7 million people
 - Respiratory 3,9 million people
 - Diabetes 1,6 million people



IP Protection

 Signed License Agreement for lactate biosensors patents P201630518 and PCT/ES2017/070694, worldwide exploitation for any application. Licensed from Universidad de Burgos – Spain.

 Signed License Agreement for glucose biosensors patents P201531868 and PCT/ES2016/070832, worldwide exploitation for any application. Licensed from Universidad Politècnica de Catalunya – Spain.

 Positive Patentability Report No. 902770 n37 from Hoffmann Eitle concerning the whole device. Patent application under preparation.





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Hospital of London

Onalabs Team

Support Entities























Onalabs Next Focus

Product tests and validation in hospitals (public) and organizations (private)

Market studies. Different markets, different market structures

Introduction in US

Designing and prototyping

Contacting possible manufacturing partners

Contacting Private Investors and VCs to Join the Team

Time to market 18 months, investment needed 2,0 million €

Onalabs Healthcare

- is the first non-invasive monitoring solution measuring any chemical parameters present in sweat using miniaturized biosensors
- focuses on three of the four leading Non-Communicable Diseases (NCDs) identified by WHO that are killing 40 million people each year, which is equivalent to 70% of deaths occurring worldwide: heart diseases, lung diseases and diabetes
- improves the life conditions of chronic patients, reduces and minimizes hospitalization situations for chronic patients, measures relevant biomarkers anytime and anywhere, detects and controls the clinical impairment and reduces hospitalization time and prevents unnecessary treatments



