

A Medical Diagnostics Technology Company

Early detection of colorectal cancer using a simple and low cost blood test

Corporate presentation July 2019





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Corporate Overview

Rhythm Biosciences – A medical diagnostics technology company

Rhythm Biosciences is positioning itself as a new generation medical diagnostics technology developer for local and international markets.

ColoSTAT[®] is the first proposed product-indevelopment, which is a simple, accurate and low cost blood test for the early detection of colorectal cancer, suitable for the global mass market.

Whether used as a primary or secondary triage screening test, ColoSTAT[®] can play an important role in reducing the economic and emotional burden of colorectal cancer.

Financial Information	
ASX Ticker	RHY
Share Price (22 Jul 2019)	\$0.21
12-Month Range	\$0.13 - 0.23
Shares on Issue	~100.7M
Market Capitalisation	~\$21M
Cash on hand (30-Jun-19)	~\$4.7m





ColoSTAT® by Rhythm Biosciences

ColoSTAT® A simple, accurate and low cost blood test for the early detection of colorectal cancer, suitable for the global mass market



ColoSTAT® is designed for the detection of colorectal cancer at all stages An Australian innovation pioneered and developed by the CSIRO for over 13 years

A simple blood test using protein based bio markers that integrates with existing pathology infrastructure

Blood Test S

Low cost and patient friendly suited to the global mass screening market



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Colorectal Cancer: Introduction

Colorectal cancer is the second largest cause of cancer-related deaths in the industrialized world with over 850,000 deaths annually Curable in over 90% of cases if detected early, this drops to around 10% if detected late stage, once the cancer has spread

The current standard diagnostic screening test is the Faecal Immunochemical Test (FIT), only detecting blood in the faeces.





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Early detection is the key to survival





Global screening of 50-74 year olds





Why aren't people being screened ?



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ColoSTAT[®] : patient friendly = increased compliance

Today – FIT testing



and label correctly and to follow up the result with a GP



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* If the test is completed as part of the NBCSP the result is also sent to the patient

ColoSTAT[®]: patient friendly = increased compliance



* Source: 9. Osborne, J., Wilson, C., Moore, V., Gregory, T., Flight, I. and Young, G. (2012) Sample preference for colorectal cancer screening tests: Blood or stool?. Open Journal of Preventive Medicine, 2, 326-331. doi: 10.4236/ojpm.2012.23047.



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ColoSTAT® effectiveness

Sensitivity of ColoSTAT[®] at Specificity of 95%



Fung et al. Blood-based protein biomarker panel for the detection of colorectal cancer. PLoS One (2015) 10 3.

Morikawa et al., Gastroenterology (2005); 129: 422-428

Specificity of 95% is the gold standard: it is an inverse measure of false positive rate, therefore a tests specificity is the ability of the test to correctly identify those without the disease (true negative rate). If you lower specificity, you may see a higher sensitivity result.



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Faecal Immunochemical Test (FIT)

Patient Preference	×
Accuracy	×
Early Stage Detection	
Affordability	
Simple Process	×
Opportunistic Screening*	×

ColoSTAT®'s combination of advantages can potentially drive higher compliance to screening and ultimately save more lives

* ColoSTAT[®] blood test can be completed at GP clinic during a regular visit



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Competitive Landscape – ColoSTAT®'s unique advantage



• FIT = Faecal Immunochemical Test

** FOBT = Faecal Occult Blood Test

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Market Overview





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* Assumes a nominal test price point of AU\$50

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Rhythm Biosciences simple, accurate and low cost blood test will fill a unique space in the mass screening market





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Go to Market Options

Multiple avenues and market segments reduce risk and support a flexible and scalable business model

National Screening Program/MBS Reimbursed

 With its effectiveness and affordability, ColoSTAT[®] is well suited to mass market screening as a direct replacement for National Screening Programs led by Government, Health Insurers or GP's

Private Market

- ColoSTAT[®] can be used by GP's or in Hospitals as a diagnostic
- Led by Health Insurers, GP's, Hospitals



Secondary Triage

 As a transition, ColoSTAT[®] can be used as a follow up secondary test for those that return a positive FIT test prior to undergoing an invasive Colonoscopy

Global Partnerships

 Partnership, licencing, jointventure options, market specific. Maximize IP.



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Summary

As a simple, accurate and low cost blood test, Rhythm's ColoSTAT[®] has the potential to significantly increase global screening compliance and save more lives



- There are over 251m people aged 50-74 in the US, EU and AU alone that are at risk and should be screened for Colorectal Cancer
- Over 132m (60%) are not tested
- 850,000 people die each year, with 1.8m new cases diagnosed annually

Patients, Insurers, Governments, Physicians want an alternative to the current faecal based test



Why Invest in Rhythm ?

1 Significant Opportunity

Mass screening market worth over \$12bn for people aged 50-74 in the US, EU, and AU alone. Market wants change.

2 Sound technology

Over 13 years of research and testing pioneered by the CSIRO* giving confidence in the biomarkers selected

3 Simple Business Model

ColoSTAT[®] Test integrates with existing pathology infrastructure

4 Scalable commercial model

Scalable and flexible implementation by market and segment

5 Experienced Team

Long tenure with successful history in the healthcare sector

Product differentiation

Patient preference for a simple blood test

* CSIRO - Commonwealth Scientific and Industrial Research Organisation is an independent Australian federal government agency responsible for scientific research

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Board and Management

A strong and experienced board & management team with proven commercial, operational and industry experience





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