

ANNOUNCEMENT LETTER

Subject: The new mold and material for MagCore Cartridge

Dear partners,

In order to maintain the high quality of MagCore cartridges, RBC has re-created a new model to replace the old one which has been used more than 3 years. In the meantime, new plastic material has applied to make MagCore Cartridge sturdy and unbreakable, with new plastic material, the appearance of MagCore Cartridge looks bright and transparent when compares with old one, it brings better image to end user at quality concerned as well as easily visual inspection. About the Quality of new MagCore Cartridge, RBC has done all necessary tests (see below tables) to prove that the new cartridge doesn't affect the performance of purification or downstream applications.

The new mold MagCore Cartridge with new raw material has been applied to MagCore Vial and Total RNA kit (code. 201, 202, 601, 610) for manufacture since June 1st 2013, all MagCore products will be utilized new cartridges commencing from upcoming July. However it is possible that you might receive the new or old cartridges in the different kits in the following 3 months due to our stock condition. (There won't be two different types of cartridges combine at one kit).

Your support is our greatest motivation to move forward at better quality.

David CTO.

Managing Director

RBC Bioscience

2013.6.10

RBC Bioscience Corp.

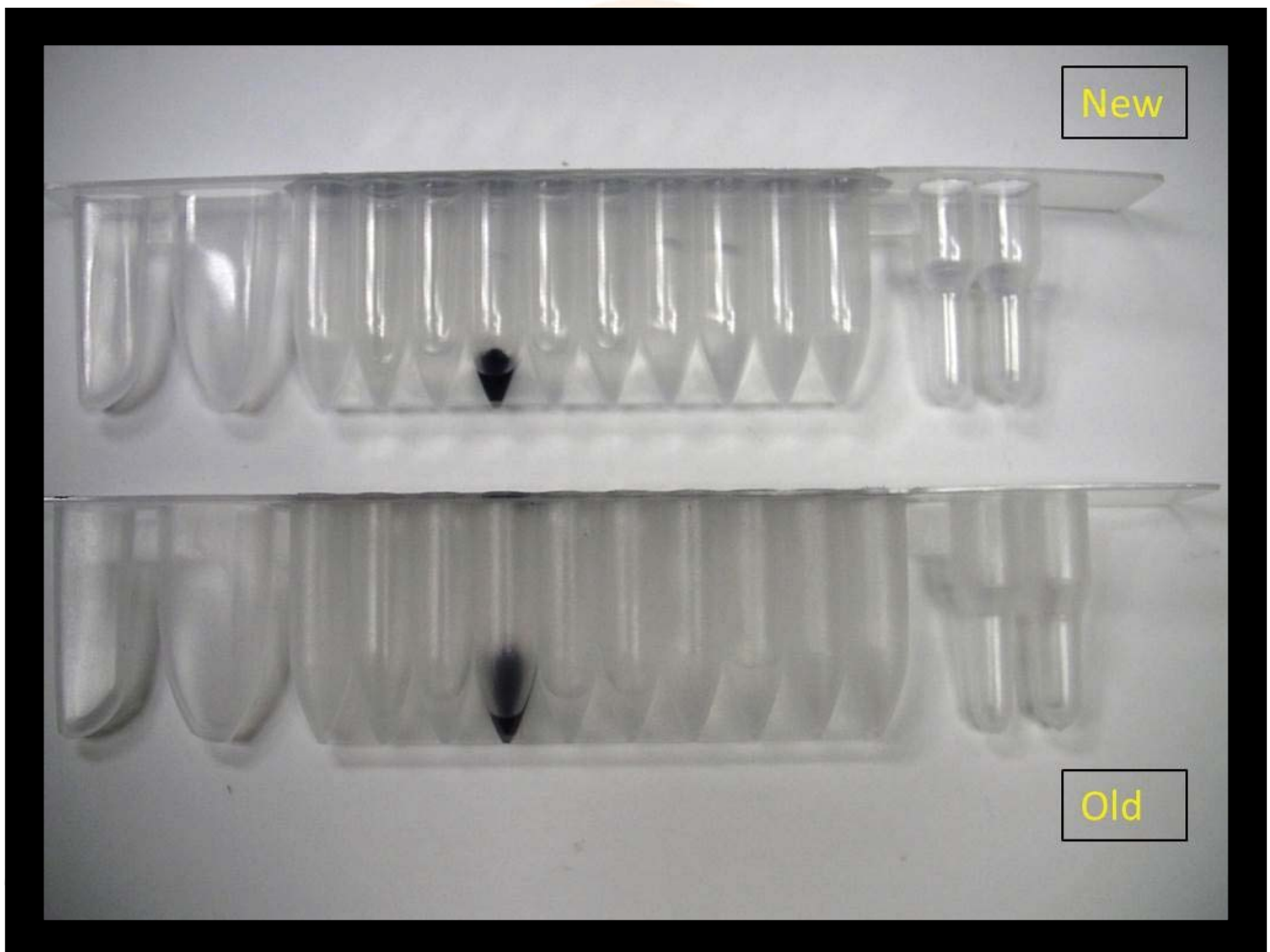
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Performance of new cartridge

Code	Name	Result
Code.101	MagCore® Genomic DNA Whole Blood Kit (Speedy installation)	Pass
Code.102	MagCore® Genomic DNA Whole Blood Kit	Pass
Code.104	MagCore® Genomic DNA Large Volume Whole Blood Kit	Pass
Code.105	MagCore® Plasma DNA Extraction Kit (1.2 ml)	Pass
Code.110	MagCore® Cultured cells DNA Kit	Pass
Code.201	MagCore® Viral Nucleic Acid Extraction Kit	Pass
Code.202	MagCore® Viral Nucleic Acid Extraction Kit	Pass
Code.210	MagCore® Viral Nucleic Acid Large Volume Extraction Kit (2.4 ml)	Pass
Code.211	MagCore® Viral Nucleic Acid Large Volume Extraction Kit (1.2 ml)	Pass
Code.301	MagCore® Genomic DNA Plant Kit	Pass
Code.401	MagCore® Genomic DNA Tissue Kit	Pass
Code.502	MagCore® Genomic DNA Bacterial Kit	Pass
Code.601	MagCore® Total RNA Whole Blood Kit	Pass
Code.610	MagCore® Total RNA Cultured Cells Kit	Pass

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Comparison of two types

Cartridge Type	Whole Blood (μl)	Elution Volume (μl)	Result Conc. (ng/μl)	Result OD _{260/280}	Final Elution Volume (μl)
Old	400	200	108.35	1.87	190.0
Old	400	200	106.72	1.90	194.4
Old	400	200	104.24	1.86	194.0
Old	400	200	103.30	1.88	192.5
Old	400	200	100.74	1.87	188.5
New	400	200	106.18	1.85	193.4
New	400	200	106.74	1.94	189.0
New	400	200	107.94	1.92	196.0
New	400	200	106.07	1.86	195.6
New	400	200	102.85	1.87	190.0
New	400	200	103.19	1.89	194.6
New	400	200	104.91	1.89	192.0
New	400	200	104.84	1.86	193.0

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