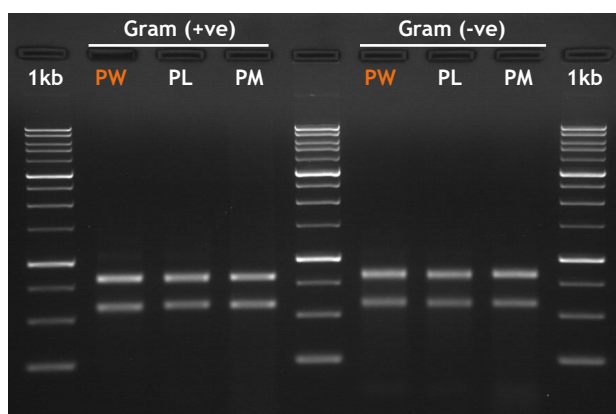


PrimeWay Total RNA Extraction Kit (KIT-9021-10/50/250)

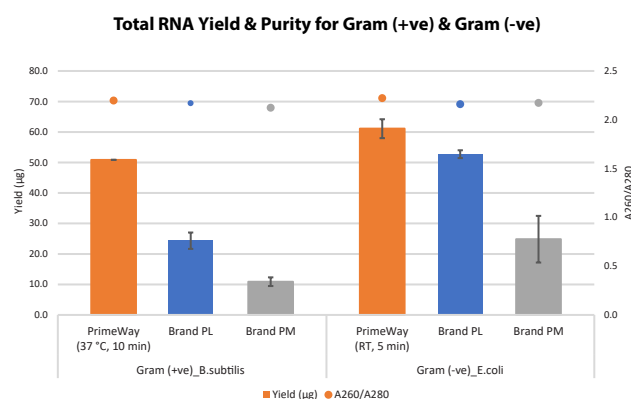


PrimeWay Total RNA Extraction Kit is a rapid reliable kit to isolate high-quality total RNA from various type of samples, including bacteria, yeast, cell cultures, animal tissue, insects, white blood cells and plant. It uses silica-based spin column to isolate and purify good quality total RNA. On-Column DNase treatment is incorporated into the kit to remove DNA during extraction. The purified total RNA is ready for applications such as cDNA synthesis, RT-PCR, Northern blotting, poly (A⁺) RNA purification, microarray analysis, transcriptome sequencing (RNA-Seq), etc.

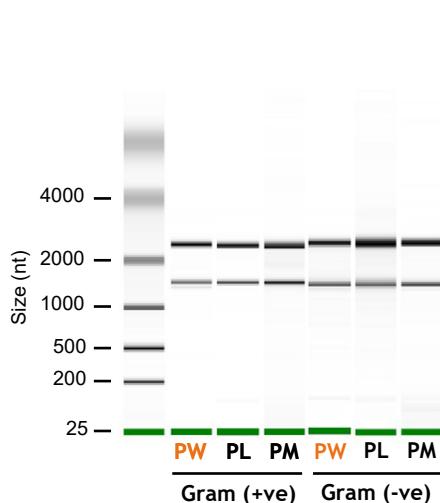
Performance Review (Bacteria)



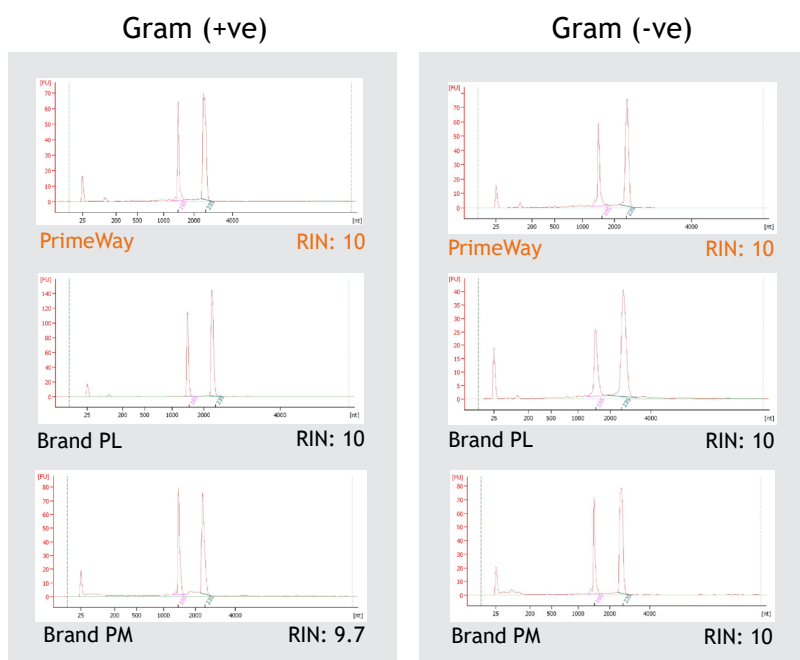
100 ng of isolated total RNA from 10 mg Gram (+ve) & 20 mg Gram (-ve) bacteria are analyzed on 1% TAE agarose gel with 1kb DNA ladder.



Total RNA isolated from 10 mg of Gram (+ve) & 20 mg Gram (-ve) bacteria

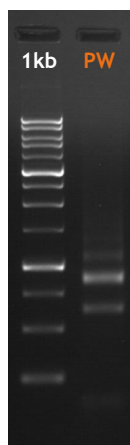


Total RNA isolated from 10 mg Gram (+ve) & 20 mg Gram (-ve) bacteria is analyzed using the Agilent 2100 Bioanalyzer with an RNA 6000 Nano LabChip®



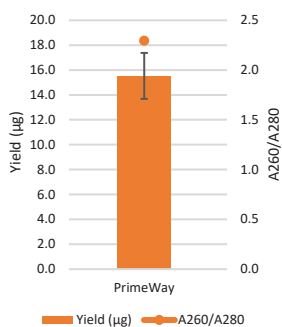
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Performance Review (Yeast)

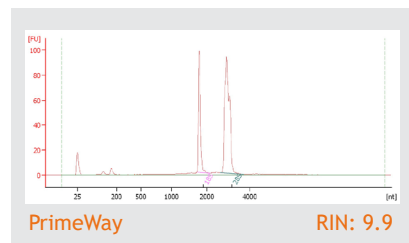
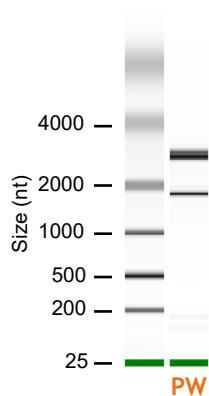


100 ng of isolated total RNA from 30 mg yeast are analyzed on 1% TAE agarose gel with 1kb DNA ladder.

Total RNA Yield & Purity for Yeast

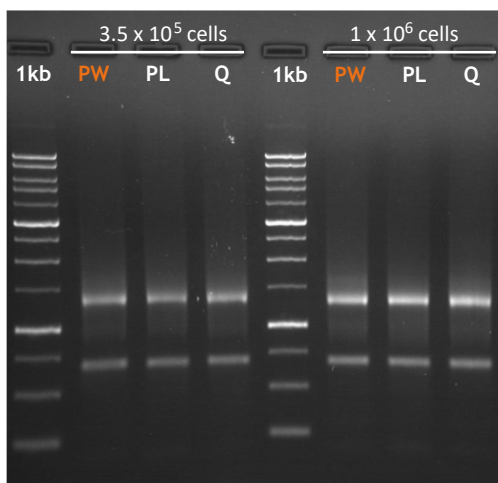


Total RNA isolated from 30 mg of yeast



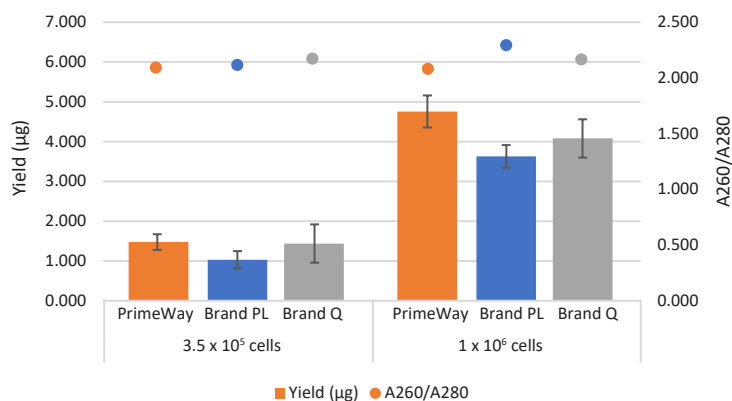
Total RNA isolated from 30 mg yeast is analyzed using the Agilent 2100 Bioanalyzer with an RNA 6000 Nano LabChip®

Performance Review (Cell Cultures)



100 ng of isolated total RNA from different number of human fibroblast cells are analyzed on 1% TAE agarose gel with 1kb DNA ladder.

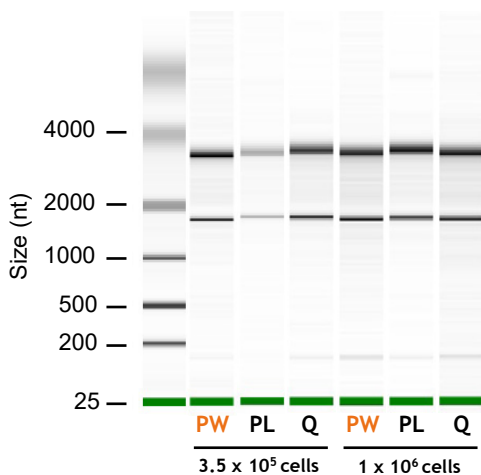
Total RNA Yield & Purity for Human Fibroblast



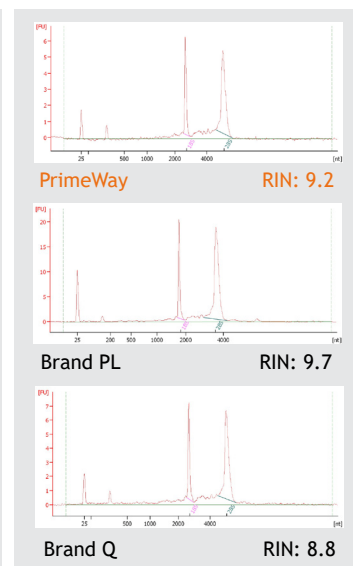
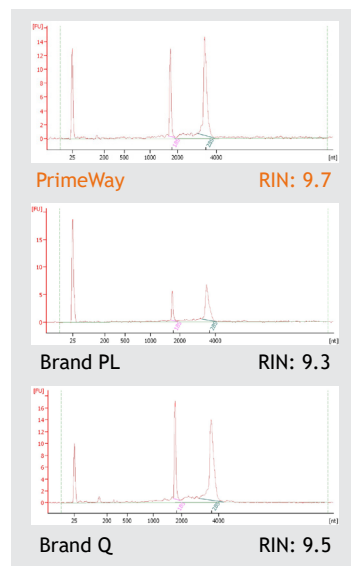
Total RNA isolated from different number of human fibroblast cells

3.5 x 10⁵ cells

1 x 10⁶ cells



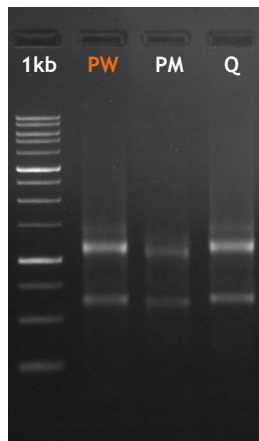
Total RNA isolated from different number of human fibroblast cells are analyzed using the Agilent 2100 Bioanalyzer with an RNA 6000 Nano LabChip®



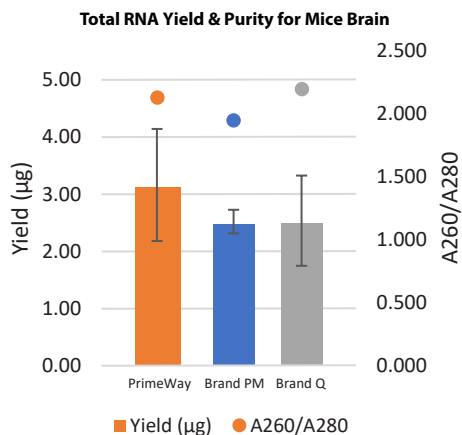
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Performance Review (Animal Tissue)

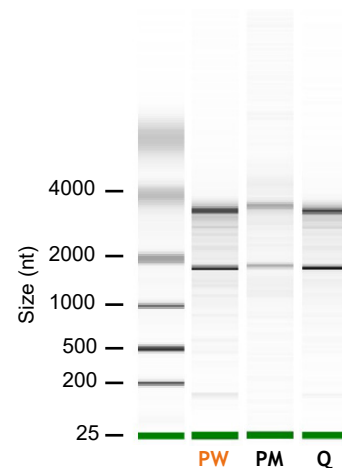
Brain



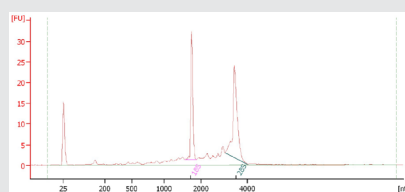
100 ng of isolated total RNA from 10 mg mice brain are analyzed on 1% TAE agarose gel with 1kb DNA ladder.



Total RNA isolated from 10 mg mice brain.

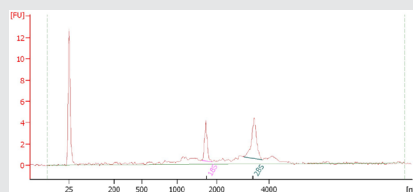


Total RNA isolated from 10 mg mice brain is analyzed using the Agilent 2100 Bioanalyzer with an RNA 6000 Nano LabChip®



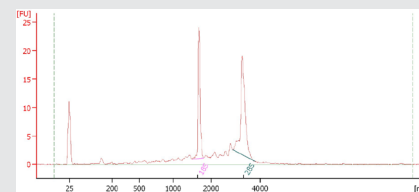
PrimeWay

RIN: 8.8



Brand PM

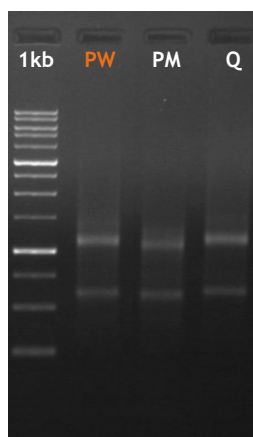
RIN: 8.1



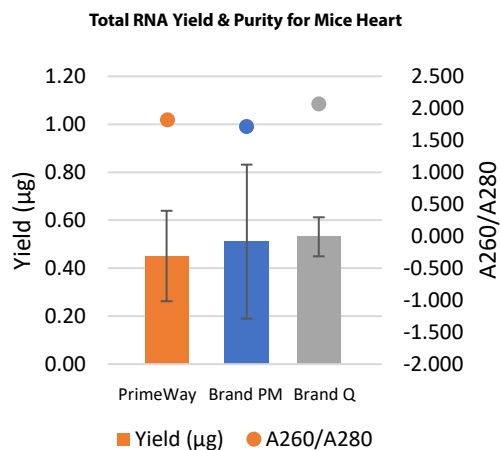
Brand Q

RIN: 8.7

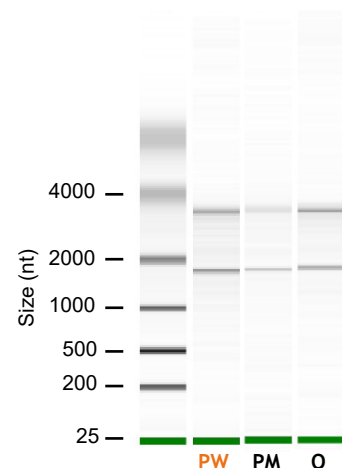
Heart



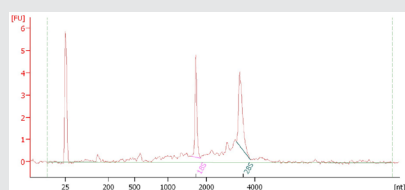
100 ng of isolated total RNA from 10 mg mice heart are analyzed on 1% TAE agarose gel with 1kb DNA ladder.



Total RNA isolated from 10 mg mice heart.

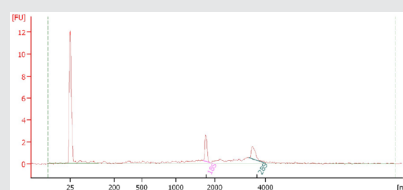


Total RNA isolated from 10 mg mice heart is analyzed using the Agilent 2100 Bioanalyzer with an RNA 6000 Nano LabChip®



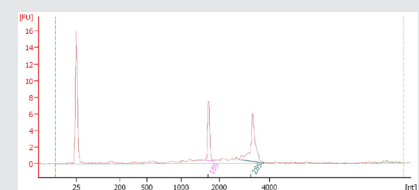
PrimeWay

RIN: 8



Brand PM

RIN: 7.7



Brand Q

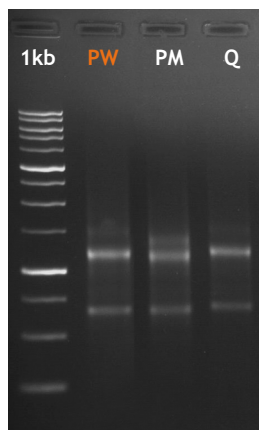
RIN: 8.9



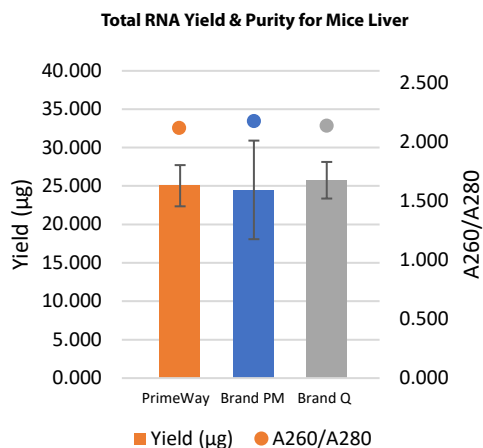
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Performance Review (Animal Tissue)

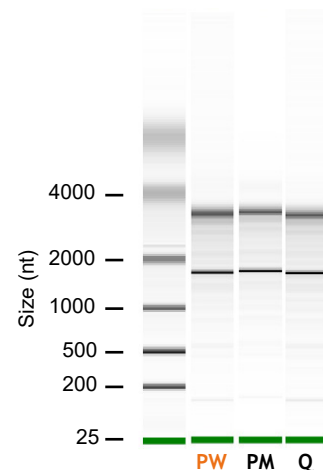
Liver



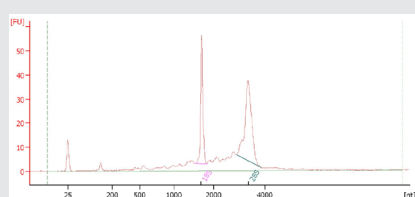
100 ng of isolated total RNA from 10 mg mice liver are analyzed on 1% TAE agarose gel with 1kb DNA ladder.



Total RNA isolated from 10 mg mice liver.

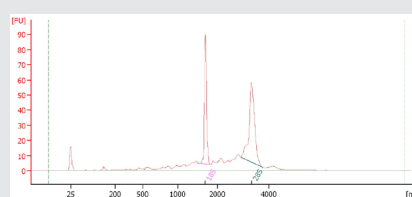


Total RNA isolated from 10 mg mice liver is analyzed using the Agilent 2100 Bioanalyzer with an RNA 6000 Nano LabChip®



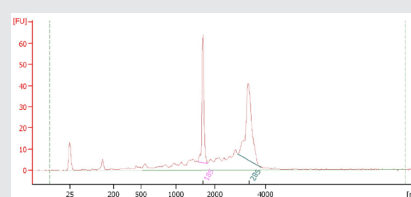
PrimeWay

RIN: 8.6



Brand PM

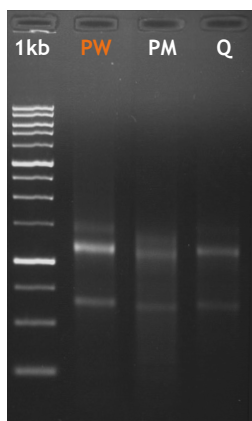
RIN: 8.4



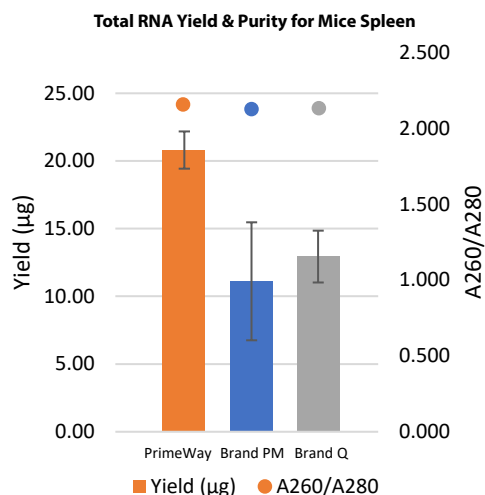
Brand Q

RIN: 8.2

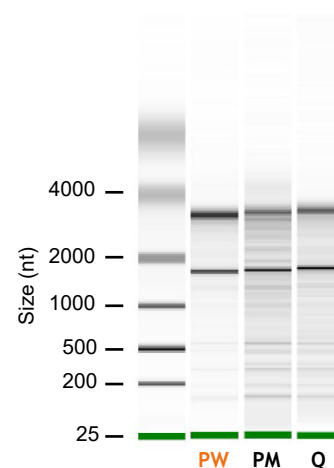
Spleen



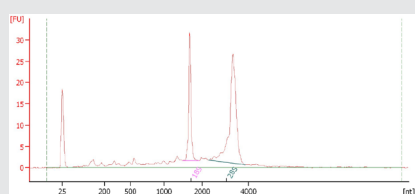
100 ng of isolated total RNA from 10 mg mice spleen are analyzed on 1% TAE agarose gel with 1kb DNA ladder.



Total RNA isolated from 10 mg mice spleen.

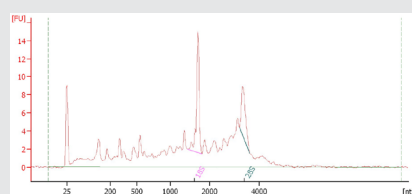


Total RNA isolated from 10 mg mice spleen is analyzed using the Agilent 2100 Bioanalyzer with an RNA 6000 Nano LabChip®



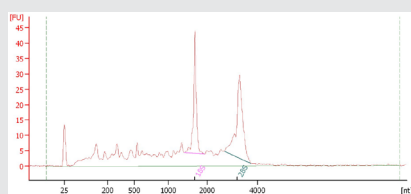
PrimeWay

RIN: 8.8



Brand PM

RIN: 6



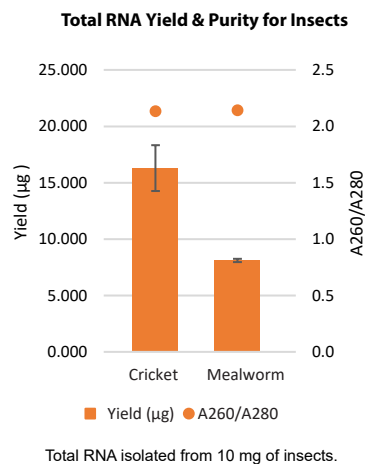
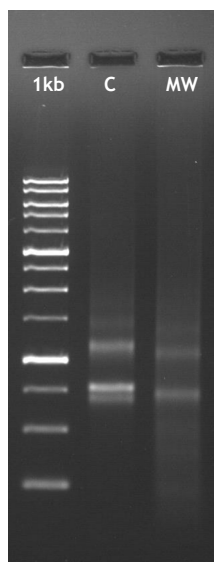
Brand Q

RIN: 7



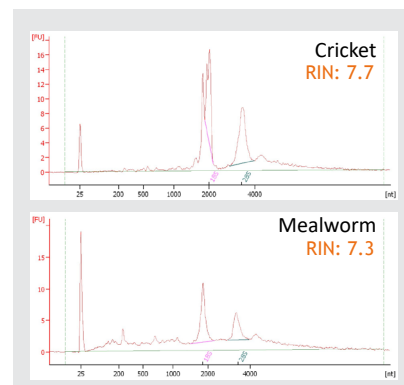
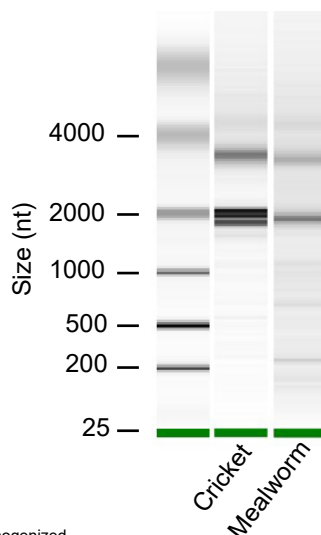
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Performance Review (Insect)



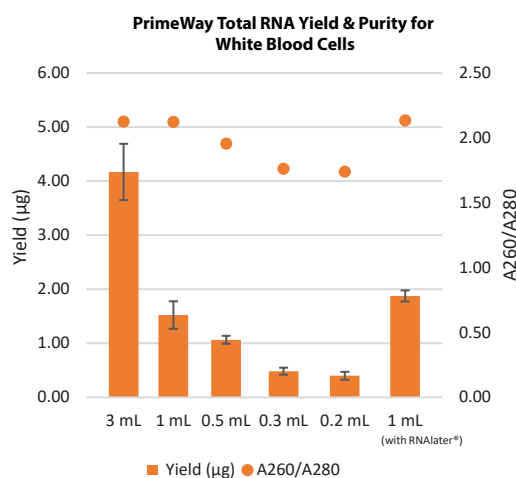
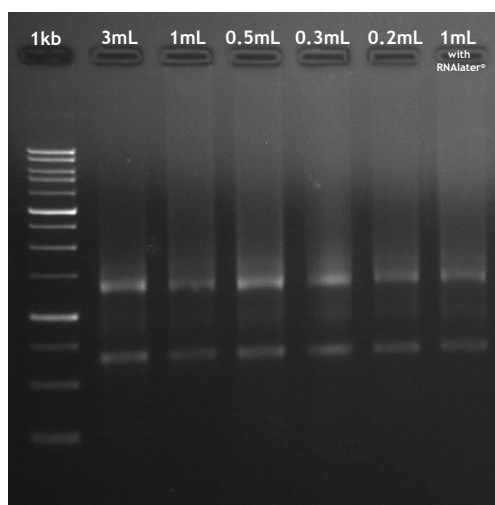
Total RNA isolated from 10 mg of insects.

Living insects submerged in 5x volume of ethanol are homogenized with liquid nitrogen (LN₂). 100 ng of isolated total RNA from 10 mg insects are analyzed on 1% TAE agarose gel with 1kb DNA ladder.

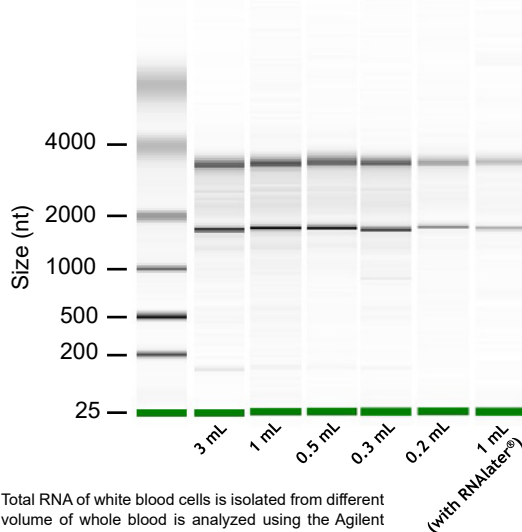


Total RNA isolated from 10 mg Cricket & Mealworm is analyzed using the Agilent 2100 Bioanalyzer with an RNA 6000 Nano LabChip®

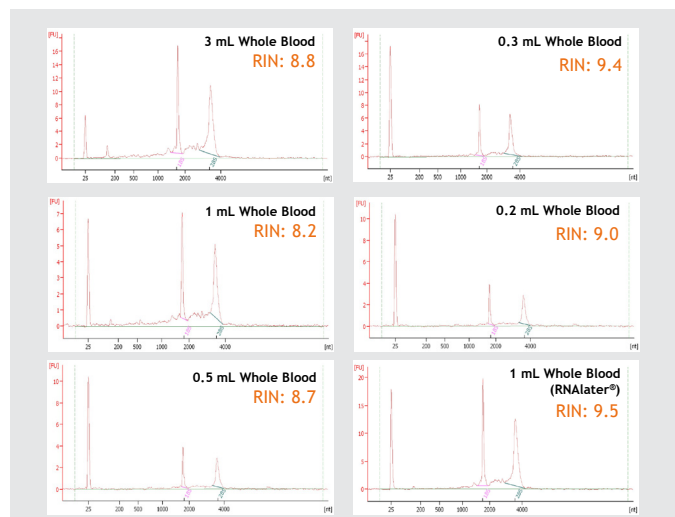
Performance Review (White Blood Cells)



Total RNA of white blood cells is isolated from different volumes of whole blood.

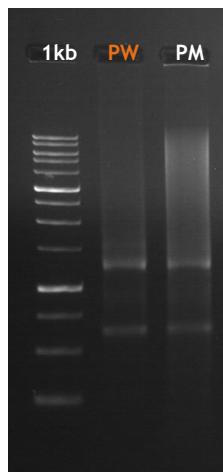


Total RNA of white blood cells is isolated from different volume of whole blood is analyzed using the Agilent 2100 Bioanalyzer with an RNA 6000 Nano LabChip®

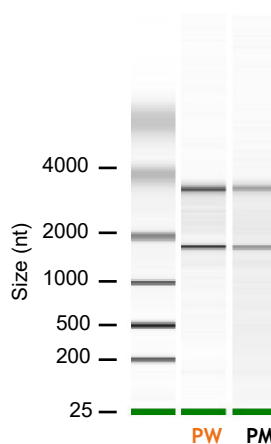
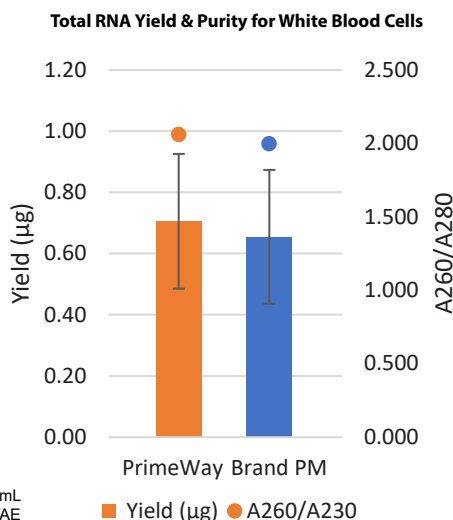


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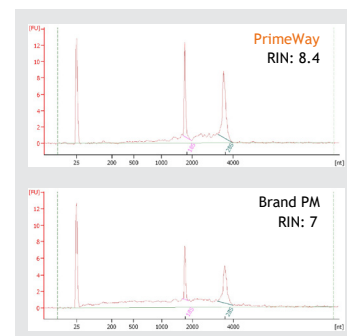
Performance Review (White Blood Cells)



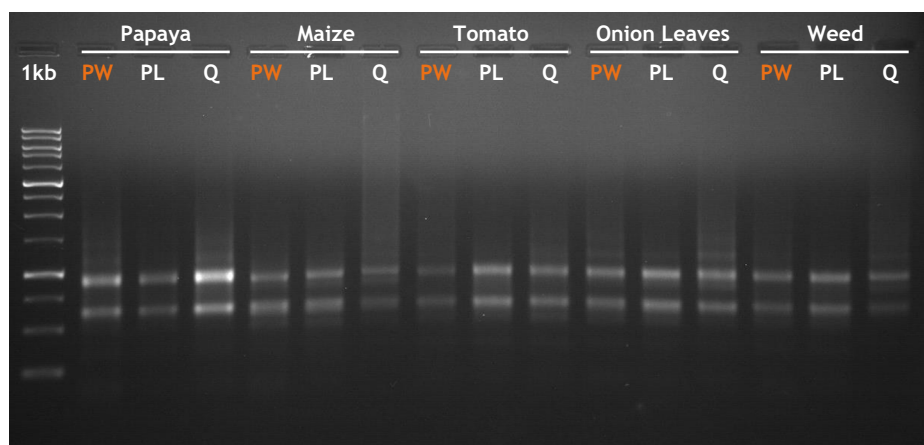
100 ng of isolated total RNA from 1 mL whole blood are analyzed on 1% TAE agarose gel with 1kb DNA ladder.



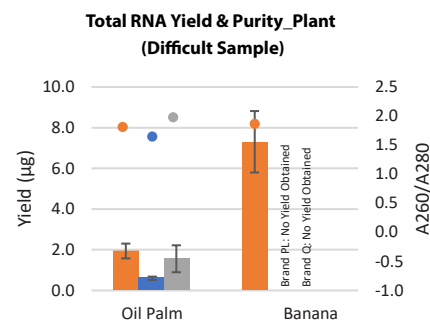
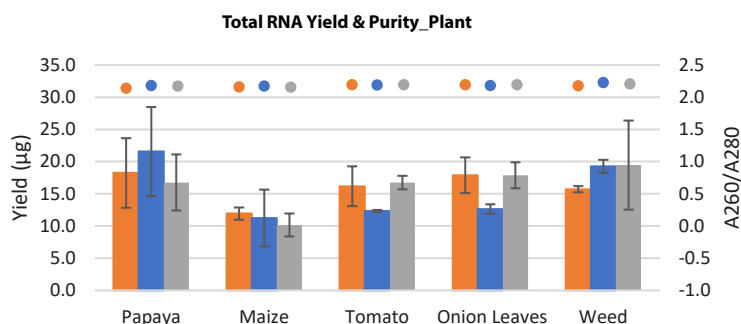
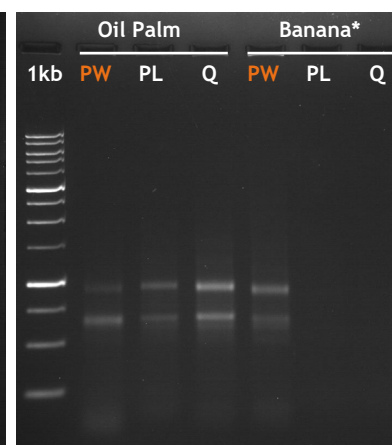
Total RNA of white blood cells is isolated from 1 mL whole blood is analyzed using the Agilent 2100 Bioanalyzer with an RNA 6000 Nano LabChip®



Performance Review (Plant)



100 ng of isolated total RNA from 100 mg plant leaves are analyzed on 1% TAE agarose gel with 1kb DNA ladder.
*10 µL of isolated total RNA from Banana leaves are loaded on 1% TAE agarose gel with 1kb DNA ladder.



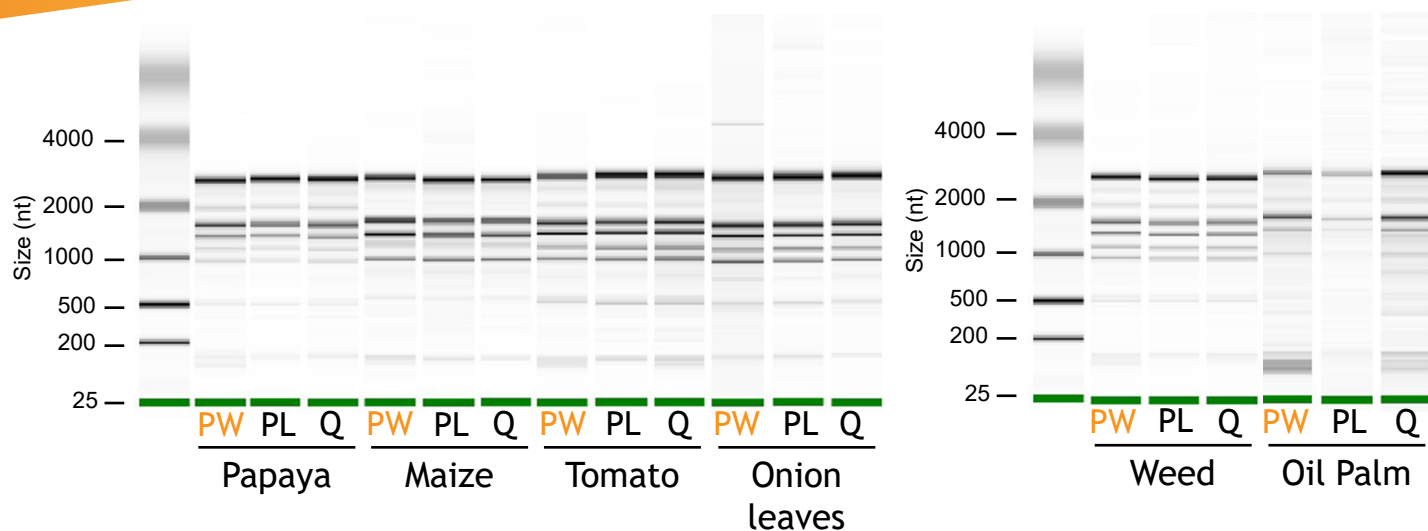
Yield (µg) PrimeWay Yield (µg) Brand PL Yield (µg) Brand Q
A260/A280 PrimeWay A260/A280 Brand PL A260/A280 Brand Q

Total RNA isolated from 100 mg leaves from different plants.



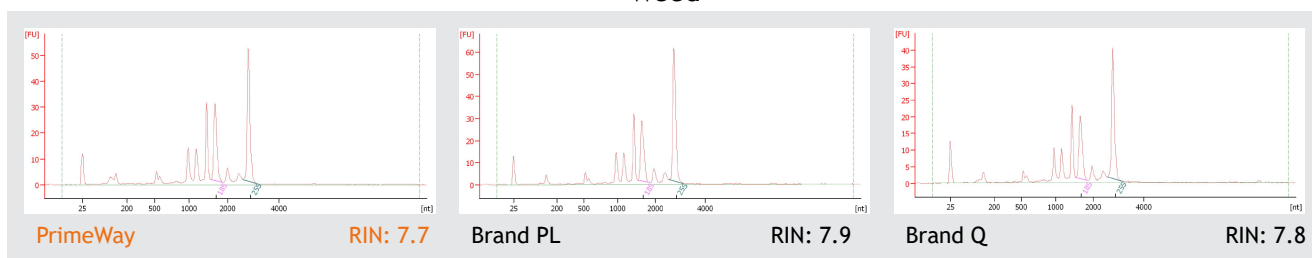
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Performance Review (Plant)

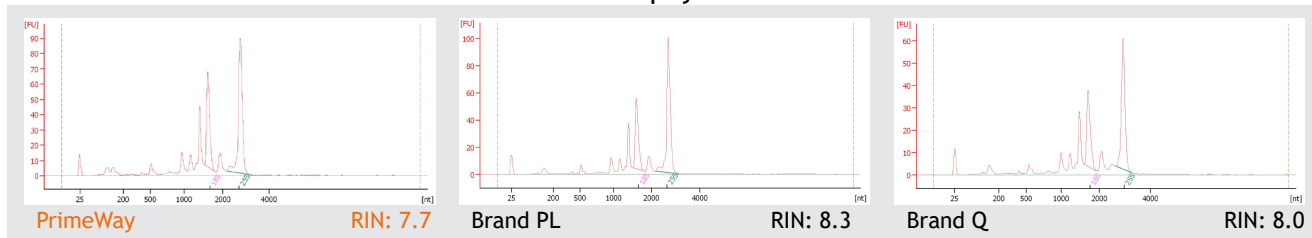


Total RNA isolated from 100 mg plant leaves is analyzed using the Agilent 2100 Bioanalyzer with an RNA 6000 Nano LabChip®

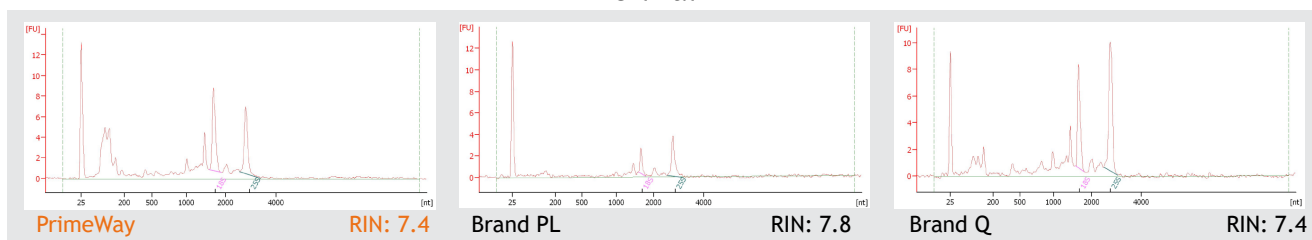
Weed



Papaya



Oil Palm



Ordering Information

Product Name	Product Code	Size
PrimeWay Total RNA Extraction Kit	KIT-9021-10/50/250	10/50/250 preps

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MALAYSIA ☎ +603-89433252 ✉ custcare@apicalscientific.com 🌐 www.apicalscientific.com

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