NORGEN BIOTEK CORP.

Single Cell RNA Purification Kit

Rapid purification of total RNA -including microRNA - from small input amounts

✓ Fast and easy processing using rapid micro spin-column format

✓ Small elution volume of 8 µL ready for direct utilization in qRT-PCR reactions

✓ Isolate total RNA including microRNA in a concentrated ready to use format

✓ Isolate high quality total RNA from a variety of sources

✓ RNA can be isolated from a single cell to 100,000 cells

ISO 9001:2015 CERTIFIED QUALITY
ISO 15189:2012 CERTIFIED QUALITY
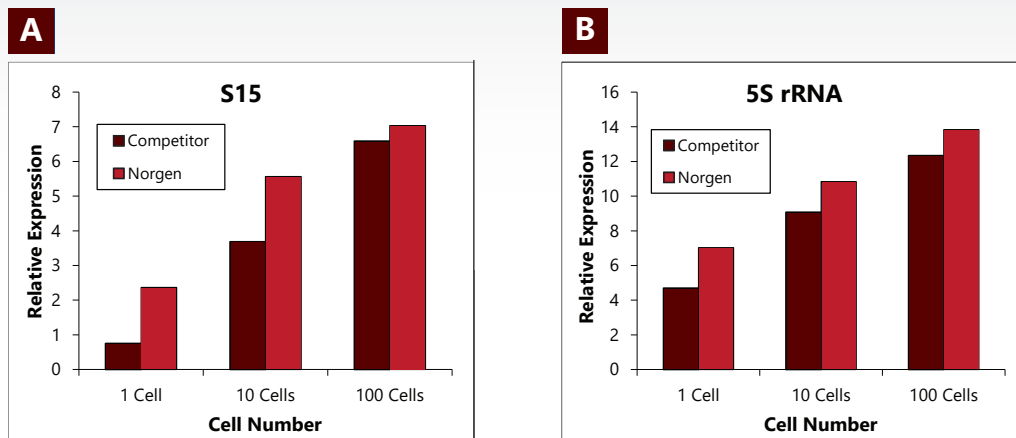ISO 13485:2016 CERTIFIED QUALITY

Figure 1. Better Efficiency of RNA Recovery at Single Cell Input. Norgen's Single Cell RNA Purification Kit allows sensitive RNA extraction from as little as a single cell and outperforms competitor's kits that claim similar sensitivity. Total RNA was extracted from a decreasing number of HeLa cells using Norgen's Single Cell RNA Purification Kit and a competitor's spin column purification kit. The extracted RNA was subjected to RT-qPCR to detect the human S15 and 5S rRNA transcript in the isolated RNA. RNA isolated by Norgen's Single Cell RNA Purification Kit showed much higher relative expression of each RNA transcript tested at all cell input number down to single cell.
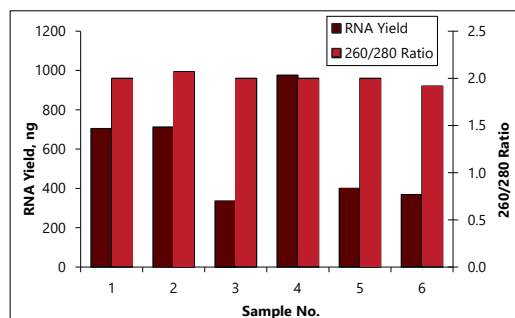

Figure 2. High Quality RNA Isolated from Laser-Captured Microdissection (LCM). Norgen's Single Cell RNA Purification Kit allows sensitive but high quality RNA extraction from small inputs such as Laser-Captured Microdissection (LCM). Total RNA was isolated from 6 different LCM samples. RNA yield and quality (260/280 ratio) were assessed by NanoVue spectrophotometry. Norgen's Single Cell RNA Purification Kit recovered good amounts of RNA with excellent 260/280 ratio.

Ordering Information

Description	Size	Cat. Number
Single Cell RNA Purification Kit	50 preps	51800

Related Products

Description	Size	Cat. Number
Total RNA Purification Kit	50 preps	17200
Total RNA Purification Plus Kit	50 preps	48300
Animal Tissue RNA Purification Kit	50 preps	25700

Visit our website: **www.norgenbiotek.com** to view our complete line of reagents and innovative sample preparation kits.

For more information
SCAN HERE

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