



WHAT'S NEW AT

dv

biologics®

December 2010

CELLutions
for Innovation™

newsletter

Need RNA, cDNA or protein lysate from hard-to-obtain tissues or cells?

DV Biologics is dedicated to offer customers the highest quality genomic and proteomic biological products. They consist of human derived total RNA, cDNA and protein lysates, spanning various developmental stages.

Our newest additions include genomic and proteomic products from a plethora of hard-to-obtain adult human tissues and cells such as whole bone, stomach tissue, aortic valve, uterine myoma, dermis and epidermis from normal and diseased states. Table 1 lists only a fraction of ever-growing number of tools amenable to your research-whether you are studying genetic disorders, cardiovascular diseases, bone homeostasis, adult stem cells, or cancer, just to name a few.

All products are validated under strict quality assurance and control parameters, providing customers with reliable, quality products for reproducible results with maximum impact. Unless specified, each product is from a single source and non-pooled. As an example, Fig 1. illustrates the quality control that all of our total RNA products are subjected to, ensuring a high degree of purity and intactness. DV Biologics RNA can be used in downstream applications such as RT-PCR, real-time RT-PCR, differential display, cDNA synthesis, Northern, dot, and slot blot analyses, primer extension, poly A+ RNA selection, RNase/S1 nuclease protection and microarrays.

For a complete list of our products, visit www.dvbiologics.com!

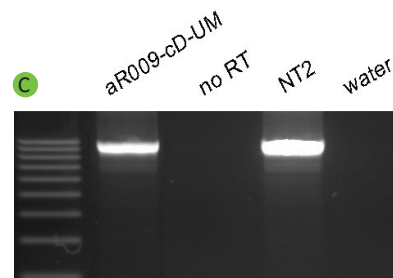
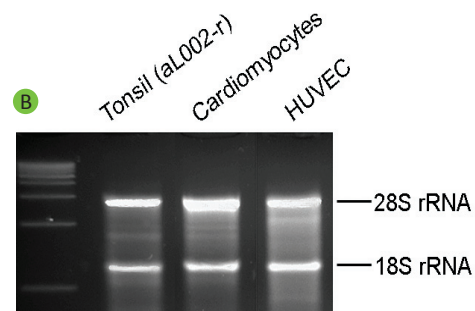
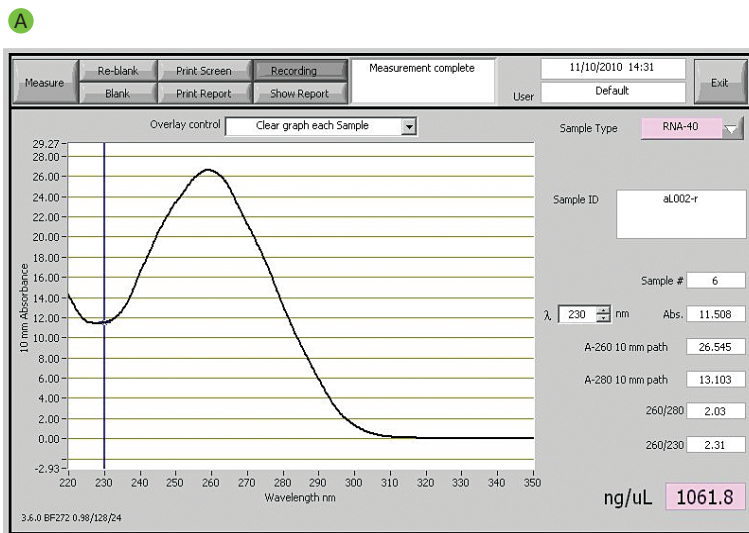
Description	Catalog #	Price
NON-DISEASED PRODUCTS		
Human Epidermis Total RNA	aI005-r	\$250/1 µg
Human Whole Skeletal Muscle Tissue Total RNA	aM001-r	\$40/10 µg
Human Skeletal Muscle Progenitor Cell Lysate	aM002-L	\$600/100 µg
Human Osteoblast Lysate	aM005-L	\$300/100 µg
Human Osteoblast Total RNA	aM005-r	\$350/10 µg
Human Whole Bone Tissue Lysate	aM007-L	\$150/100 µg
Human Synovial Tissue Total RNA	aM010-r	\$500/1 µg
Human Umbilical Cord Tissue Lysate	aC007-L	\$130/100 µg
Human Whole Unprocessed Bone Marrow Total RNA	aH001-r	\$250/10 µg
Human CD34+ Umbilical Cord Blood Cell Lysate (pooled)	aH012-L (p)	\$400/100 µg
Human CD34+ Umbilical Cord Blood Cells Total RNA (pooled)	aH012-r (p)	\$400/1 µg
Human CD34+ Umbilical Cord Blood Cells cDNA (pooled)	aH012-cD (p)	\$600/20 rxns
Human Whole Stomach Tissue Lysate	aD005-L	\$130/100 µg
Human Cardiac Progenitor Cells Total RNA	aC015-r	\$750/10 µg
Human Right Atrium Tissue Lysate	aC020-L	\$130/100 µg
Human Right Atrium Tissue Total RNA	aC020-r	\$40/10 µg
Human Pericardium cDNA	aC021-cD	\$170/20 rxns
Human Aortic Valve Lysate	aC022-L	\$300/100 µg
Human Aortic Valve Total RNA	aC022-r	\$300/10 µg
Human Mitral Valve Lysate	aC024-L	\$300/100 µg
Human Tonsil Total RNA	aL002-r	\$40/10 µg
Human Adipose Tissue Total RNA	aA003-r	\$130/10 µg
DISEASE-SPECIFIC PRODUCTS		
Integumentary Systems-Diseased-GLIOBLASTOMA (GM)		
Human Skin Cell (Dermal Fibroblasts) Lysate	aI001-L-GM	\$700/100 µg
Human Skin Fibroblast Total RNA	aI001-r-GM	\$700/10 µg
Human Skin Fibroblast cDNA	aI001-cD-GM	\$600/20 rxns
Neural Systems-Diseased-GLIOBLASTOMA (GM)		
Human Glioblastoma Tissue Lysate	aN010-L-GM	\$500/100 µg
Human Glioblastoma Tissue Total RNA	aN010-r-GM	\$500/10 µg
Human Glioblastoma Tissue cDNA	aN010-cD-GM	\$500/20 rxns

Table 1

Figure 1: Quality control parameters for DV Biologics total RNA. (A) The purity of RNA is determined by spectrophotometry to obtain the A260/A280 ratio, which must range from 1.8-2.1. The example shown is the spectral analysis of Human Tonsil Total RNA (aL002-r). (B) Total RNA is analyzed by agarose gel electrophoresis. RNA integrity is determined visually by analyzing 18S and 28S ribosomal bands, as shown by a representative gel of DV Biologics human total RNAs (1 µg/lane). (C) RNA functionality is assayed by RT-PCR using primers for housekeeping gene GAPDH. This assay also confirms that the RNA is DNA-free. The example shown is the analysis of Uterine Myoma Total RNA (aR009-r-UM), used for the synthesis of aR009-cD-UM. The control cDNA is derived from NT2 cells RNA.

Table 1 (continued)

Integumentary Systems-Diseased- PARKINSON'S DISEASE (PD)		
Human Skin Cell (Dermal Fibroblasts) Lysate	aI001-L-PD	\$500/100 µg
Human Skin Fibroblast Total RNA	aI001-r-PD	\$600/10 µg
Human Skin Fibroblast cDNA	aI001-cD-PD	\$600/20 rxns
Integumentary Systems-Diseased-HUNTINGTON'S DISEASE (HD)		
Human Skin Cell (Dermal Fibroblasts) Lysate	aI001-L-HD	\$550/100 µg
Human Skin Fibroblast Total RNA	aI001-r-HD	\$650/10 µg
Human Skin Fibroblast Total RNA	aI001-r-PD	\$650/20 rxns
Reproductive Systems-Diseased-UTERINE MYOMA (UM)		
Uterine Myoma Lysate	aR009-L-UM	\$500/100 µg
Uterine Myoma Total RNA	aR009-r-UM	\$500/10 µg
Uterine Myoma cDNA	aR009-cD-UM	\$500/20 rxns



Ways To Place An Order

Orders may be placed by phone, fax, email or through the online ordering system. Please visit the website to download DV Biologics PDF Order Form to place an order via fax or use the form below.

Shipping & Delivery

US. All North American orders are shipped from DV Biologics headquarters in Southern California and freight is pre-paid and added to your invoice as a separate item. Orders are shipped within 1 or 2 working days, depending upon the availability of the item. Shipments are sent every Monday to Thursday via overnight courier service for delivery on the next business day.

International. International orders are shipped from DV Biologics headquarters in Southern California every Monday unless specially requested to be shipped on another date.

Conditions

Products are sold for laboratory research use only and are not to be used in humans for any purpose. As a condition of purchase, the purchaser shall not make products available for the purpose of further resale or alter the product label and the DV Biologics mark of origin without the express written permission of DV Biologics LLC.

Contact Us:

By phone 1.888.773.5959 (Toll Free North America)

By fax 1.877.773.5959 (Toll Free North America)

By email orders@dvbiologics.com

Ordering Hours:

Monday through Friday, 9:00 am - 5:00 pm Pacific Standard Time. Order anytime, 24 hours a day, 365 days a year by email or fax. If your order arrives outside our normal business hours, it will be quickly processed at the beginning of the next business day.