Cell Data Sciences RNAstorm™ FFPE Kit
Powerful RNA Extraction from FFPE Tissue

RNAstorm™ Advantages

- Reduced RNA damage
- Removal of chemical modifications and adducts
- Higher integrity RNA as measured by DV200 (percentage of RNA > 200nt)
- Higher yields of amplifiable RNA
- Best solution for RNA-Seq

CAT5™ Catalytic Technology

- Proprietary chemical catalysts remove formaldehyde crosslinking and modifications
- Effective: higher yields than using only heat-based methods
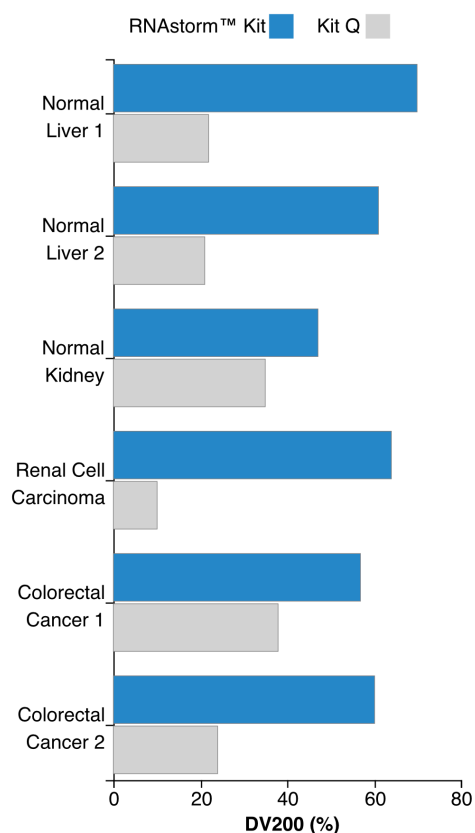- Higher quality RNA with less fragmentation

Figure 1. Increased DV200 values are observed for RNA extracted using the RNAstorm™ kit relative to a popular commercial kit. The DV200 represents percentage of RNA with length greater than 200 nt, as measured using an Agilent Bioanalyzer RNA 6000 nano kit.

Applications	RNAseq, PCR, qPCR/RT-PCR, microarray
Kit format	Manual (50 spin columns)
DNase treatment step	Included
Input samples	Formalin-fixed samples (paraffin embedded or in fixative)
Recommended input sample amount	1-4 sections (5-10 μm each)
Type of RNA isolated	Total RNA (including miRNA)
Isolation time	50 minutes hands-on time
Each kit includes:	Spin Columns Protease DNase I DNase Buffer CAT5™ Reagent Lysis Buffer Wash Buffer Binding Buffer Deparaffinization Reagent

References:

Karmakar et al., Organocatalytic Reversal of Formaldehyde Adducts of RNA and DNA Bases, Nature Chemistry 2015, 7, 752-758; doi:10.1038/nchem.2307

Ordering Information

Catalog No.:   CD501 (50 reactions)