

Chemical and enzymatic probes for sequence and structure/function analysis of RNA:

[modified from Ehresmann (1987) NAR 15, 9109ff]

Probe	MW	Specificity
RNase T1	11,000	unpaired G
RNase U2	12,500	unpaired A>>>G
RNase CL3	16,800	unpaired C>>>A>U
RNase PhyM	n/a	unpaired A + U
RNase T2	36,000	unpaired N
S1 nuclease	32,000	unpaired N
N. c. nuclease	55,000	unpaired N
RNase V1	15,900	paired or stacked N
DMS	126	N3-C N1-A N7-G
DEPC	174	N7-A
CMCT	424	N3-U N1-G
kethoxal	148	N1, N2-G
bisulfite	104	Unpaired C->U
ENU	117	Phosphate
Fe(II)-EDTA		Backbone

Chemical probes:

Purines

Pyrimidines

