

lab901

ScreenTape® R6K



More time for discovery™

ScreenTape R6K is a new product for rapid and reliable RNA quality control. The platform allows full RNA characterisation, quantification and quality assessment without any reagent preparation or chip priming.

Samples are automatically loaded using dedicated tips into separate channels, ensuring no cross-contamination or sample carryover. The instrument then combines RNA separation, profile imaging and sample analysis. RNA integrity can be assessed using the gel image and the RNA profile, where 28s and 18s ribosomal peaks are identified. The ScreenTape Degradation Value (SDV) provides an instant and objective evaluation of total RNA degradation.



Key Features

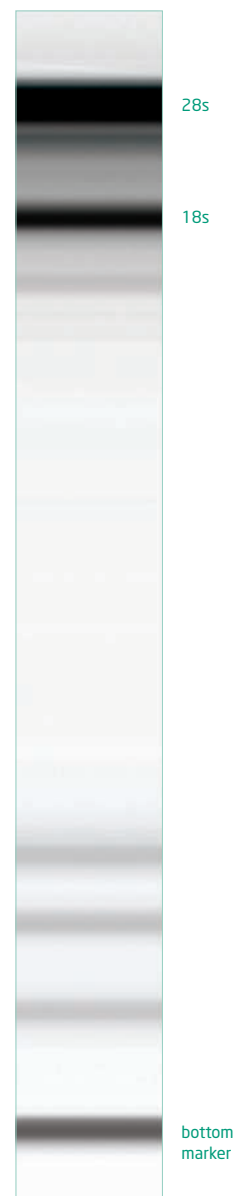
- Sample-to-answer is achieved in 1 minute per sample
- SDV allows accurate and objective total RNA degradation assessment
- No chip or device priming - R6K is fully pre-packaged giving better reproducibility
- Cross priming and lane to lane contamination are avoided due to parallel processing
- RNA profiles are easy to interpret and annotate
- ScreenTape can be used more than once - there is no need to batch samples as spare lanes can always be used at a later date

Technical Specifications

RNA samples	total RNA, cRNA, mRNA fragmented cRNA
Qualitative range	1 - 100ng/μl total RNA
Limit of detection	500pg
Sample Volume	2μL
Analysis time per sample	60 seconds
Number of lanes / tape	16
RNA analysis values	SDV for total RNA, 28s/18s ratio, peak areas and volumes, electropherogram comparison

System Requirements

R6K ScreenTape	R6K Loading Buffer Kit (Standard or High sensitivity)
Lab901 TapeStation	



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