

The RNA 10K kit is intended to determine the size profile of RNA samples up to 13 000 bases with any Capillary Electrophoresis (CE) instrument. The kit is designed to analyse 100 samples and associated standards.

Kit Content



RNA 10K Kit (ref : 16-CE-RNA10K)

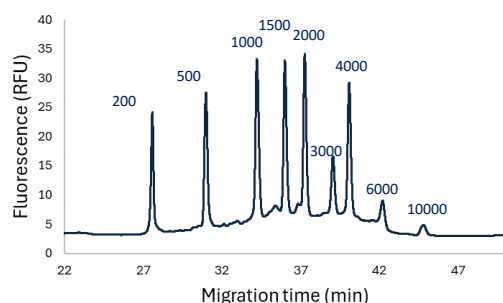
- Running buffer RNA 10K, 40 mL
- Fluorescent dye, 9 tubes of 55 μ L
- RNA10K ladder, 9 tubes of 65 μ L

120 glass inserts

1 silica capillary

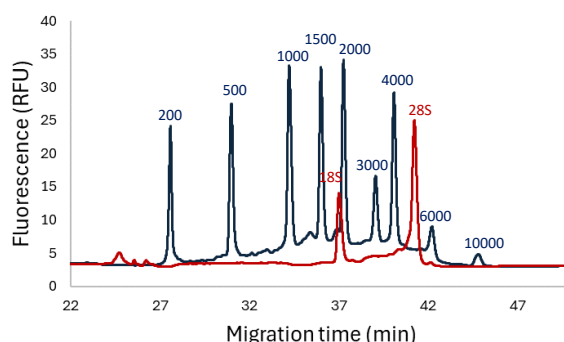
Large RNA separation

A reference ladder is analysed every 5 samples to convert the fluorescence trace into a profile giving mass concentration according to RNA size, using the BIABooster Analytics or another suitable software.



Standard ladder used in the RNA10K kit

The ladder is composed of 9 bands from 200 bases to 10000 bases. The total concentration is 10 ng/ μ L.



Fluorescence profile of an RNA ladder in blue and total RNA sample in red

The analysis of this sample shows 18S and 28S peaks with a 28S/18S ratio of 2.4.

Specifications

Sample type	RNA
Size range	up to 13 kb
LOD ⁽¹⁾	60pg/ μ L
Sample volume	25 μ L
Migration time repeatability	< 2%
Area repeatability	< 20%

(1) Limit of detection: the concentration for a single fragment which gives a signal-to-noise ratio of 3 (peak height)