

The RNA 10K kit is intended to determine the size profile of RNA samples up to **13000 bases with the Multi-channel BIABooster system** using Capillary Electrophoresis mode

The kit is designed to analyse 100 samples and associated standards.

KIT CONTENT

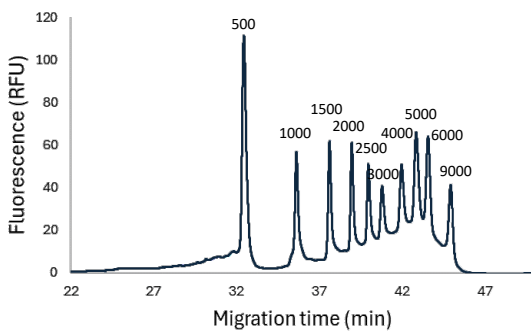


RNA 10K Kit (ref : 25-BBCNA-RNA10K)

- Running buffer RNA 10K, 50 mL
- Fluorescent dye, 5 tubes of 140 µL
- RNA 10K ladder, 1 tubes of 1 µL
- Washing Solution RNA 10K, 65 mL

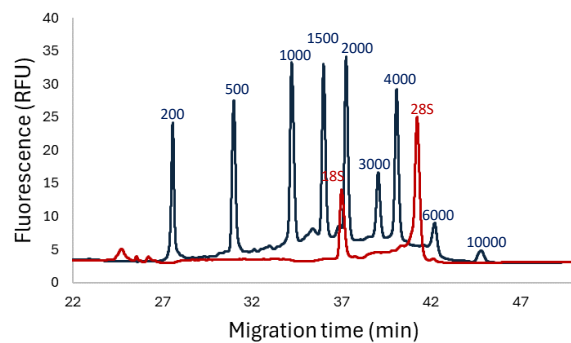
LARGE RNA SEPARATION

A reference ladder is analysed every 5 samples to convert the fluorescence trace into a profile giving mass concentration according to RNA size.



Standard ladder used in the RNA10K kit

The ladder is composed of 10 bands from 500 bases to 9000 bases. The total concentration is 10 ng/µL.



Fluorescence profile of a 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 1 kb |
| LOD ⁽¹⁾ | 30 pg/µL |
| Sample volume | 15 µL |
| 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)