iGEN VIRAL RNA kit.
HIGH QUALITY RNA EXTRACTION KIT FROM A VARIETY OF SAMPLES.
50 EXTRACTIONS. V.1 MAY 2021.

General instructions:
To ensure proper use and handling, please READ THE ENTIRE MANUAL BEFORE USING THE KIT.
Labelling the top of each vial upon arrival of the kit is highly recommended to avoid mistakes. Keep solutions closed and in a ventilated place.
This kit is indicated for In Vitro Diagnosis procedures from minimal amounts of a variety of samples (up to 200 µl sample).
The approximate processing time is 30 minutes.

Kit contents:

Solution A	6 ml
Solution B	25 ml
Solution C	3,5 ml
Solution D	2x 20 ml
Solution E	27 ml
Solution F	3 ml
1.5 ml tubes	50

Equipment and materials required but not supplied:
The following equipment and materials are required:
- Pipets and pipet tips (use filter tips to avoid cross-contamination).
- Disposable gloves.
- Heating block for sample lysis at 56°C.
- Microcentrifuge
- Vortexer

Technical considerations:

This kit was specially designed with the aim of obtaining, in a reproducible manner, high quality RNA, including VIRAL RNA when present in the sample, for subsequence uses in diagnostic procedures such as viral pathogen detection.

Storage:
Keep container tightly closed in a well-ventilated place. All buffers can be stored at room temperature (15-25°C). If temperature exceeds 25°C, is recommended to store in a cool place (2-8°C). Remember, if stored at (2-8°C) solutions should be homogenized and equilibrated to room temperature before use.
All buffers are stable for at least 2 years when stored at room temperature (15-25°C) but only until the kit expiration date (see box label). If stored at 4°C the kit is stable for more than 2 year and quality does not decrease.

Procedure recommendations:
- Samples
The extraction procedure can be performed from a variety of liquid samples (blood, plasma, urine, saliva, culture medium, swaps transport medium…) up to 200 µl. When using biological samples, add 100 µl of Solution A to 100 µl of sample. If you use a sample that already contains an RNA stabilization agent (such as swaps transport mediums or other sample collection tubes), use 200 µl of sample and proceed directly with Solution B.
- Solutions
Gently homogenize every solution before use, especially solutions A and C if stored in a cool place.
- Dry
It is recommended not overdrying the final pellet in order to avoid a difficult DNA solubilization. Add F solution when the pellet starts drying.

DNA Quantity and quality

Concentration
Fluorometric based method should be used in order to get accurate and reliable concentration readings. Use specific RNA methods according to your requirements.

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