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PME free-circulating DNA Extraction



The PME free-circulating DNA Extraction Kit is based on a new, patent-pending technology called PME – Polymer Mediated Enrichment.

Circulating cell-free DNA is of special interest as a diagnostic target, but the amount of free-circulating DNA is usually very low and varies among different individuals. Furthermore, these nucleic acids are present as short fragments, typically smaller than 1000 nt, making the efficient extraction process challenging. Because of the high sample volumes, the protocols of commercially available kits are very labor-intensive as well as time-consuming and need a lot of reagents. The PME free-circulating DNA Extraction Kit is based on a new, patent-pending technology called PME – Polymer Mediated Enrichment. As first step cell-free DNA in the entire sample is captured by a polymer. Afterwards this complex is collected as a pellet by centrifugation. Subsequently the captured nucleic acid is dissolved in a special buffer thus reducing the sample volume in the following extraction significantly.

Product Name: PME free-circulating DNA Extraction Kit

Product details

Extract: DNA
Reactions: 10 / 50 / 100 / 250 (either or)
Sample type/Starting material: Urine
Serum
Plasma
Cell culture (incl. supernatant or medium)

Specifications:

Starting material

From up to 5 ml (plasma) or 10 ml (urine)

Field of applications

Tumor and prenatal diagnosis
Pathological states, including trauma, sepsis, myocardial infarction, stroke, transplantation, diabetes mellitus, and hematologic disorders

Extraction time

From 1 ml starting sample: approx. 30 min
From 5 ml and 10 ml starting sample: approx 1 h

The online shop

Price: € 157.50
Content: 10 reactions
Please select packing 10 reactions ▼