

PLASMA METANEPHRINES^{FAST TRACK} Extraction-based ELISA

ESSENTIAL INFORMATION

Cells derived from neuroendocrine tumours (e.g. pheochromocytoma) are known to produce catecholamines which are secreted episodically via vesicles into the blood stream. But beside this a small portion of the catecholamines is metabolized inside the cells to the corresponding catecholamines metabolites – namely metanephrine, normetanephrine and 3-methoxytyramine – which are secreted at low levels continuously into the blood stream.

Recent studies and publications have shown that the quantification of these plasma free metanephrine (fMN) and plasma free normetanephrine (fNMN) is the most accurate biochemical marker for the clinical diagnosis of pheochromocytoma. They allow for the simultaneous determination of metanephrine and normetanephrine in plasma from just 200 µl.

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Extraction-based ELISA

ADVANTAGES

- Most sophisticated sample preparation: extraction of samples on a 96 microwell plate
- Speed and ease of use
- 48 duplicate determinations
- No known interferences or cross-reactivities by medical drugs
- Highly correlated to LC-MS/MS
- Wide standard ranges, convenient measurement of pathological samples without predilution
- Most suitable assay for diagnosing pheochromocytoma and related neuroendocrine tumours



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