

Metanephrines are important parameters for the diagnosis of tumors of the sympathoadrenal system. In addition to the ClinRep® Complete Kit with manual sample preparation (order no. 4000, see pages 26 - 27) RECIPE offers two ClinRep® Complete Kits for automated sample preparation with robotic systems from Gilson® and HTA. Kits for 100 and 500 assays are available for each system.

Biogenic Amines

Metanephrines in Urine

– with Gilson® ASPEC™ XL

– with HTA, Model HT400E

Test Data

Test data are available on request

HPLC Parameters

Identical with order no. 4000, see pages 26 - 27

Sample Preparation*

Manual sample pretreatment

Hydrolysis:

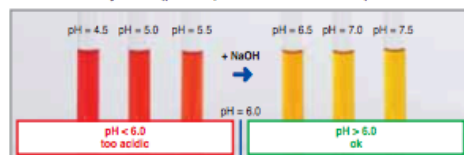
| | |
|------------|----------------------------|
| 1 ml urine | 20 µl Internal Standard IS |
|------------|----------------------------|

1. adjust pH to 0.5 - 1.0 ↓ 2. incubate (30 min, 90 - 100 °C)

pH adjustment:

Add 4 ml Diluting Solution D (contains colour indicator)

check, if the sample is yellow (pH > 6) ↓ if necessary, add 1 M NaOH dropwise



Automated sample preparation with Gilson® ASPEC™ XL

Extraction:

Apply 2.5 ml sample to the sample preparation column

Elution:

↓ wash (HPLC water and Washing Solution W)

Elute with 2.5 ml Eluting Reagent E (receiver vial: 800 µl Stabilising Reagent S)

HPLC Analysis:

↓ collect the eluate

Inject 20 µl

* The indicated sample/reagent volumes are exemplified for the ASPEC™ XL. The corresponding data for the HT400E are available on request.

Ordering Information

| Order No. | Description | Quantity |
|---|--|---------------------------|
| 4100 | ClinRep® Complete Kit for Metanephrines in Urine with Gilson® ASPEC™ XL for 100 assays | 1 pce. |
| Kit components (order no. 4100): | | |
| 4010 | Mobile Phase | 1000 ml |
| 4011 | Standard Solution | 10 ml |
| 4012 | Internal Standard IS | 3 ml |
| 4013 | Urine Calibrator, lyophil. | 5 x 8 ml |
| 4120 | Sample Preparation Columns | 2 x 4120 (2 x 50 pcs.) |
| 4022 | Diluting Solution D | 400 ml |
| 4023 | Washing Solution W | 400 ml |
| 4124 | Eluting Reagent E | 250 ml |
| 4125 | Stabilising Reagent S | 80 ml |
| | Manual | 1 pce. |
| | Quick Reference | 1 pce. |
| 4200 | ClinRep® Complete Kit for Metanephrines in Urine with Gilson® ASPEC™ XL for 500 assays | 1 pce. |
| Kit components (order no. 4200): | | |
| | 5-fold amount of kit components with order no. 4100 (4010, 4011, ..., 4125) | 5 x 4100 |
| 4300 | ClinRep® Complete Kit for Metanephrines in Urine with HTA, Model HT400E for 100 assays | 1 pce. |
| Kit components (order no. 4300): | | |
| 4010 | Mobile Phase | 1000 ml |
| 4011 | Standard Solution | 10 ml |
| 4012 | Internal Standard IS | 3 ml |
| 4013 | Urine Calibrator, lyophil. | 5 x 8 ml |
| 4320 | Sample Preparation Columns | 2 x 4320 (2 x 50 pcs.) |
| 4022 | Diluting Solution D | 400 ml |
| 4323 | Washing Solution W | 500 ml |
| 4124 | Eluting Reagent E | 250 ml |
| 4125 | Stabilising Reagent S | 80 ml |
| FK6401 | Sample vials, clear glass, 4ml | 2 x FK6401 (2 x 100 pcs.) |
| | Manual | 1 pce. |
| | Quick Reference | 1 pce. |
| 4400 | ClinRep® Complete Kit for Metanephrines in Urine with HTA, Model HT400E for 500 assays | 1 pce. |
| Kit components (order no. 4400): | | |
| | 5-fold amount of kit components with order no. 4300 (4010, 4011, ..., FK6401) | 5 x 4300 |
| Start Accessories: | | |
| 4030 | Analytical Column with test chromatogram | 1 pce. |
| Accessories: | | |
| FK6300 | Reagent tubes (100 x 16 mm) with screw cap and o-ring, PP, autoclavable up to 121 °C | 50 pcs. |
| ClinChek® Controls: | | |
| 8820 | Urine Control, lyophil., Level I | 10 x 8 ml |
| 8821 | Urine Control, lyophil., Level II | 10 x 8 ml |
| 8822 | Urine Control, lyophil., Level I, II | 2 x 5 x 8 ml |

→ Automated sample preparation

→ Test kits available for 100 or 500 assays

