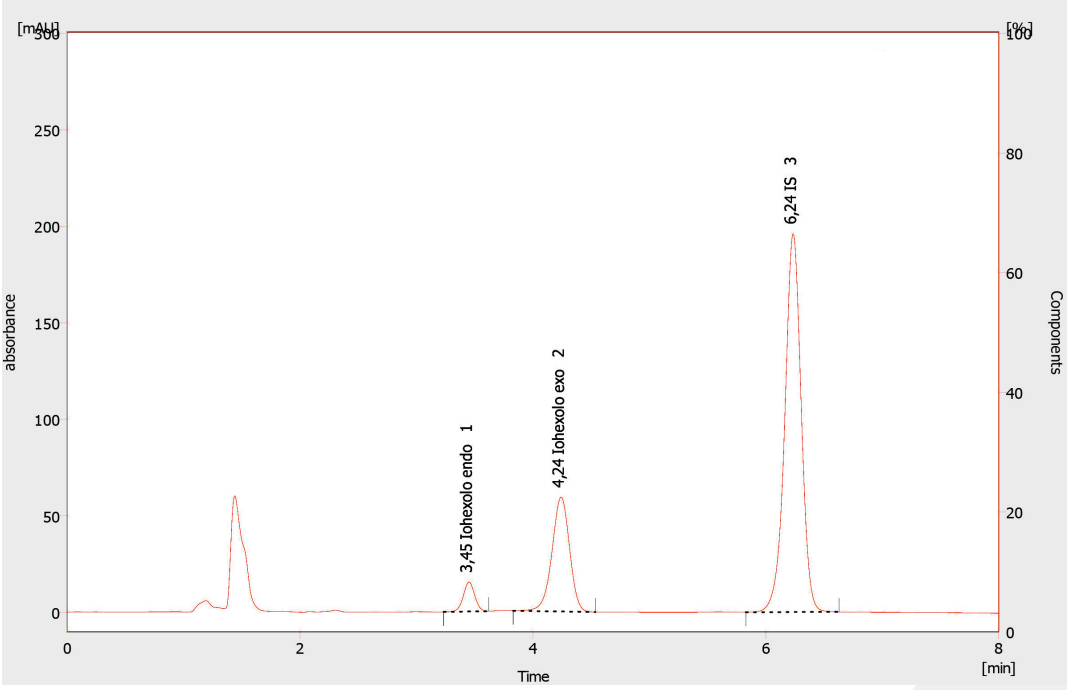
METHOD AT A GLANCE

FLOCHROM® IOHEXOL IN SERUM/PLASMA

GFR (Glomerular Filtration Rate) determinates the speed of the glomerular filtration of the plasma through renal glomeruli. It quantitatively estimates kidney function. Kidney failure symptoms appear only when the patient has almost totally lost his renal function. The most common used parameters as creatinine, plasmatic urea and urine specific gravity, may not appear altered until the end-stage renal disease has been reached. They are considered not enough sensitive indicators, especially in people who suffering of obesity, anorexia or in organ transplant recipients.
Iohexol plasma clearance is a valid and more sensitive alternative to the mostly used creatinine clearance. Iohexol is an exogenous molecule, commercially available, mainly used as contrast medium. Iohexol is eliminated only through renal way. It comes very close to fulfill all requirements for an ideal GFR marker.



PROVIDE PERSONAL SOLUTIONS

B.S.N. S.r.l. | Biological Sales Network
Tel. +39.0374.351005
Via Coelli, 18 26012 Castelleone (CR)

contact@bsn-srl.it
bsn-srl.it

METHOD AT A GLANCE

HPLC system conditions

Injection volume: 30 µL (variable according to instrumental sensitivity)
Flow rate: 1.0 mL/min
Running time: 10 min
Column heater: Room temperature
UV detector: 245 nm
Column conditioning: column should be conditioned for 10 min at flow rate of 0.8 mL/min with mobile phase

Sample preparation

- Add 50 µL of serum/plasma in 1.5 or 2-mL vial
- Add 250 µL of Internal Standard
- Vortex for 30 sec
- Centrifuge for 10 min at 10000 rpm
- Collect 200 µL of supernatant and transfer into an autosampler vial. Inject 30 µL of the sample and analyze with HPLC technique

Performance

ANALYTE	LINEARITY (µg /mL)	LLOD (µg /mL)	LLOQ (µg /mL)	CV% INTRA	CV% INTER
Iohexol endo	4.13 – 190	1.24	4.13	2.23 – 3.93	2.24 – 5.62
Iohexol eso	1.07 – 160	0.32	1.07	0.88 – 3.57	1.42 – 4.05

Ordering guide

EUH06100	FloChrom® Iohexol in Serum/Plasma	100 assays
EUH06090	Analytical Column	1 pc
EUH06070	Precolumns	5 pcs

CHR-14-19-REV.1

PROVIDE PERSONAL SOLUTIONS

B.S.N. S.r.l. | Biological Sales Network
Tel. +39.0374.351005
Via Coelli, 18 26012 Castelleone (CR)

contact@bsn-srl.it
bsn-srl.it