

Cardiac arrhythmias are major causes of morbidity and mortality throughout the world. Arrhythmias are controlled by medication of several drugs, such as amiodarone, an antiarrhythmic agent that helps to stabilise the normal rhythm of the heart. The resorption rate and the biological availability of amiodarone is low and extremely variable. The therapy therefore requires a close monitoring for the adjustment of the drug dosage. The RECIPE ClinRep® Complete Kit allows for a quick, sensitive and reliable determination of amiodarone and the main metabolite desethyldesamodarone. The sample preparation consists of a simple precipitation step.



→ Simple and quick sample preparation

→ Linearity over a wide range

→ Short run time

## Antiarrhythmics

# Amiodarone in Plasma

### Test Data

Linearity:	0.1 - 10 µg/ml
Recovery:	95 - 105 %
LOD:	0.07 µg/ml
LLOQ:	0.1 µg/ml
Intraassay precision: Amiodarone:	2.1 %,
Desethyldesamodarone:	2.5 %
Interassay precision: Amiodarone:	4.0 %,
Desethyldesamodarone:	4.2 %

### HPLC Parameters

Pump:	isocratic pump, flow rate: 0.8 ml/min
Injection volume:	20 µl
Injection interval:	8 min
UV/VIS-Detector:	255 nm
HPLC-Thermostat:	30 °C

### Sample Preparation

#### Extraction:

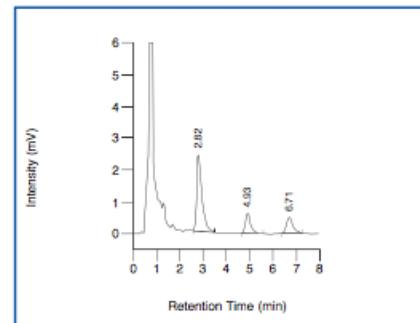
100 µl sample	150 µl Precipitant P (contains Internal Standard IS)
---------------	---

#### HPLC Analysis:



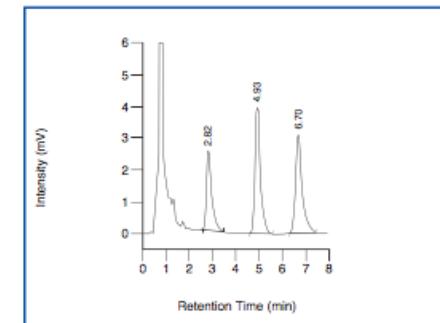
Inject 20 µl of the supernatant

ClinChek® Serum Control, Level I



IS: 2.82 min, Desethyldesamodarone: 4.93 min,  
Amiodarone: 6.71 min

ClinChek® Serum Control, Level II



IS: 2.82 min, Desethyldesamodarone: 4.93 min,  
Amiodarone: 6.70 min

### Ordering Information

Order No.	Description	Quantity
20000	ClinRep® Complete Kit for Amiodarone in Plasma for 100 assays	1 pce.
<b>Kit Components (order no. 20000):</b>		
20010	Mobile Phase	1000 ml
20011	Standard Solution	3 ml
20012	Precipitant P with Internal Standard	15 ml
20013	Serum Calibrator, lyophil.	3 ml
20020	Sample Preparation Vials with Reagent, lyophil. Manual	2 x 20020 (2 x 50 pcs.)
	Quick Reference	1 pce.
	1 pce.	1 pce.
<b>Start Accessories:</b>		
20030	Analytical Column with test chromatogram	1 pce.
20032	Guard Column Holder incl. 1 Guard Column	1 pce.
<b>Accessories:</b>		
20033	Guard Column	5 pcs.
FK5810	PEEK tubing (connection of prefilter and column)	1 pce.
FK5820	Stainless steel prefilter holder	1 pce.
FK5821	Replacement filter for stainless steel prefilter holder	10 pcs.
<b>ClinChek® Controls:</b>		
20080	Serum Control, lyophil., Level I	10 x 3 ml
20081	Serum Control, lyophil., Level II	10 x 3 ml
20082	Serum Control, lyophil., Level I, II	2 x 5 x 3 ml