## Analysis of Amlodipine and Losartan Potassium

**GL Sciences Inc.** 

Both amlodipine and losartan potassium are sold worldwide as drug for hypertension. Combination drug containing the two is also studied.

In this note, chromatograms of simultaneous analysis of amlodipine and losartan were shown under two different HPLC condition using Inertsil ODS-4. Condition 1 is based on the assay of amlodipine besylate tablets of United States Pharmacopeia (USP). Condition 2 is a method using eluent of simpler composition. Application for each individual ingredient is also shown in LC technical note No.98 and No.126.

### **HPLC Condition 1 Standard Solution**



## **Tablet Sample**

The sample concentration was adjusted to 5 mg/L and 50 mg/L as amlodipine and losartan potassium, respectively.



### Conditions

Column	: Inertsil ODS-4 HP (3 μm, 50 x 4.6 mm I.D.)
Cat. No.	: 5020-14068
Eluent	: A) CH₃OH
	B) CH <sub>3</sub> CN
	C) 0.7 % Triethylamine
	(pH 3.0, H <sub>3</sub> PO <sub>4</sub> )
	A/B/C =7/3/10, v/v/v
Flow rate	: 1.0 mL/min
Column Temp	:25 °C
Detection	: UV 237 nm
Injection Vol.	:5μL

#### Example of Pretreatment Method for Tablet Sample



# HPLC Condition 2

## Standard Solution



GL Sciences disclaims any and all responsibility for any injury or damage which may be caused by this data directly or indirectly. We reserve the right to amend this information or data at any time and without any prior announcement.

GL Sciences Inc. Japan 22-1 Nishishinjuku 6-chome Shinjuku-ku, Tokyo 163-1130, Japan

Phone: +81-3-5323-6620 Fax: +81-3-5323-6621 Email: <u>world@gls.co.jp</u> Web: www.glsciences.com

il Sciences

International Distributors Visit our Website at www.glsciences.com/distributors

GL Sciences Inc. USA 4733 Torrance Blvd. Suite 255 Torrance, CA 90503 USA

Phone: +1-310-265-4424 Fax: +1-310-265-4425 Email: info@glsciencesinc.com Web: www.glsciencesinc.com <u>GL Sciences B.V.</u> Dillenburgstraat 7C 5652AM, Eindhoven The Netherlands

Phone: +31-40-254-9531 Email: info@glsciences.eu Web: www.glsciences.eu GL Sciences (Shanghai) Limited Tower B, Room 2003 Far East International Plaza No.317 Xianxia Road, Changning District Shanghai, China 200051

Phone: +86-21-62782272 Email: contact@glsciences.com.cn Web: www.glsciences.com.cn