



APPENDIX H

สำนักหอสมุด

Reagent for MALDI and LC/MS/MS**1. Trifluor acetic acid (0.1% TFA, v/v)**

This solution was prepared by adding 0.1 ml of trifluor acetic acid (peptide sequencing grade, Applied Biosystems) in one hundred milliliters of deionized distilled water and mixed well.

2. Acetonitrile/Trifluor acetic acid solution (ATFA, ACN:0.1% TFA, 1:2)

This solution was prepared by mixing 1 ml of acetonitrile (LC/MS grade, J.T. Baker) in 2 ml of 0.1% TFA.

3. Matrix preparation (0.1% α -HCCA in ATFA, w/v)

The solution was prepared by dissolving 10 mg α -Cyano-4-hydroxy-cinnamic acid (HCCA)(Bruker Daltonik GmbH) in 1 ml of ATFA solution. The solution tube was centrifuged at $14,000 \times g$ for 1 min. The supernatant was used for preparation of the matrix solution.