

## CHAPTER 6



## CONCLUSION

The sensitivity of modified hemoglobin h inclusion test is 81 percent. The test is appropriate for screening alpha-thalassemia because it is simple and practical in district and provincial hospital. The test is also cost-effective when compared with the gold standard.

The prevalence of alpha-thalassemia in the first region of the Royal Thai Army is 11.5%. The cost effectiveness ratio of the modified hemoglobin H inclusion test and the PCR test are 94,870.36 and 98,730.58 baht respectively.