Studies from databases of Medline, ISI web of science and EMBASE, Chinese Biomedical Disk, and Chinese Journal Full-test Database (n=198)

Exclude the repeated studies appeared in both databases (n=126)

The studies with detailed information about detection of susceptibility of AMS (n=53)

Eliminate the unrelated studies (n=73)

Eliminate the following studies:

1. Review (n=11);
2. Studies that relying on exposure to high altitude or simulated (n=37).

Included studies (n=5)