What is important in the translation of a text is not only the equivalence between words, but the translation of the main ideas. In translating technical-scientific texts, the accuracy of the translated text, in terms of how it transmits the goal of the writer of the ST the TT. Thus, the translated text will be able of contributing instrumentally to the technical-scientific area as a whole. This study aimed analysis of the finding equivalence at word level in the English technical (parasitology) text and its Persian translation. To find out if the selected equivalences are successfully convey the message to the TT. Having introduced the model, and different stages of the assessment process, equivalences randomly selected, analyzed and compared. The terms were identified, classified and the frequency of their occurrences was computed to see whether a statistically significant difference can be found. The data were analyzed by $\chi^2$ using SPSS software. The results indicated significant difference among the selected text according to the model of translation. So the expert translator is used two strategies of the model (translation by loan word, translation by paraphrase using a related word) more than the others. Most parts of the texts were word for word translation and in some ways loose the grammatical content of TT structure. The findings of the study can be applied to scientific and technical text translation.