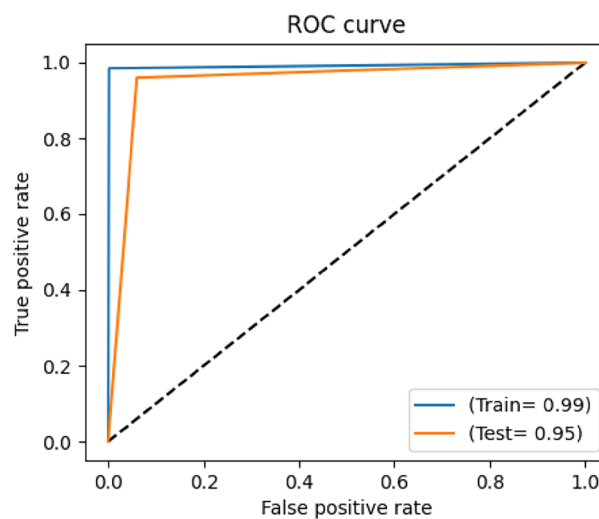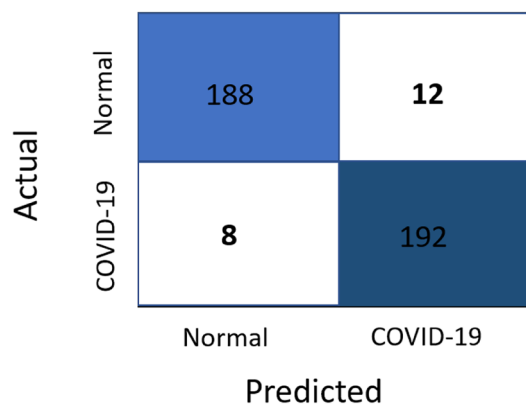**Figure 8.** Training and validation losses of the best model.

Figure 9. Training and test ROC curve of the best achieved model.

Figure 10. Confusion matrix of the best model.