

**Keywords:** Bovine Mastitis; Ethiopia; California Mastitis test; Clinical Mastitis; Subclinical Mastitis; Somatic cell count

## Introduction

Ethiopia, located in tropical region and the country is greatly dependent on Agriculture. Livestock production represents a major national resource and forms an integral part of the Agricultural production system and livelihood of the society. Ethiopia has the largest cattle population in Africa with an estimated population of 56.71 million [1]. Among this cow represents the biggest portion of cattle population of the country, around 20.7% of the total cattle heads are milking cows [1]. However, milk production often does not satisfy the country's requirements due to a different of factors. Of these factors, Mastitis is one the factors contributing to reduced milk production [2]. Mastitis is also associated with number of zoonotic diseases in which milk acts as a vehicle of infection [3].

Mastitis is defined as an inflammation of the parenchyma of mammary gland, which can reduce milk yield and alter milk composition [4]. The occurrence of disease is an outcome of interplay between three major factors: Infectious agents, Host resistance, and Environmental factors [5]. Mastitis in dairy cows occurs worldwide and can be caused by infections with bacteria, yeast and fungi [6]. There are two main classes of Mastitis. The first is clinical Mastitis, which manifests signs observed from the animal or the milk. The other is Subclinical Mastitis, which produces no visible signs from the udder except when using diagnostic tools. Despite many years of research, subclinical Mastitis remains the most economically damaging and zoonotic potential disease for dairy industry and consumer

Several of these studies have shown the occurrence of a range of Mastitis causing bacteria, indicating *Staphylococcus*, *Escherichia* and *Streptococcus* as dominant and pathogenic species, clinical Mastitis is readily apparent and easily detected. In contrast, detection

## **Results and Discussion**

### **Risk factors**

Di erent authors have di erent idea regarding the predisposing factors of Mastitis in Ethiopia but most of them do agree on







