

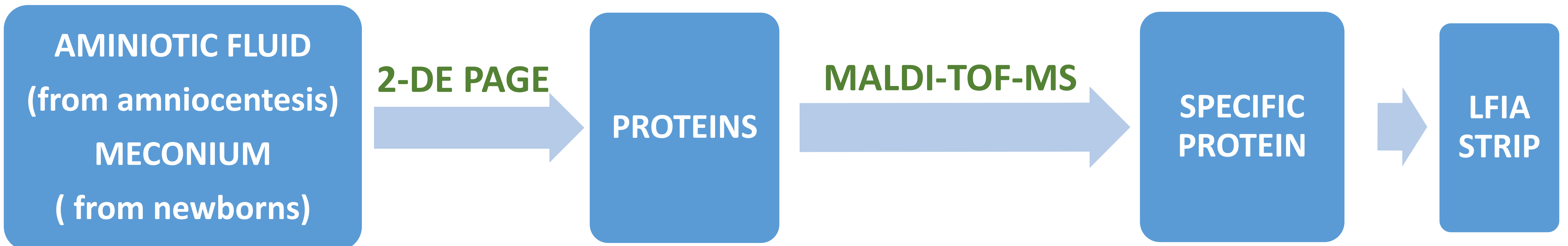
# THE RAPID KIT TO DETECT MECONIUM IN AMNIOTIC FLUID

## OBJECTIVES

Meconium aspiration syndrome respiratory obstruction - leading to perinatal morbidity and death.

-> **quickly and easily** check the presence or absence of **meconium** discharge in amniotic fluid

## MATERIALS AND METHODS



## RESULTS

Figure 1. Normalized spot intensity over the entire match set image of the 2-DE sample

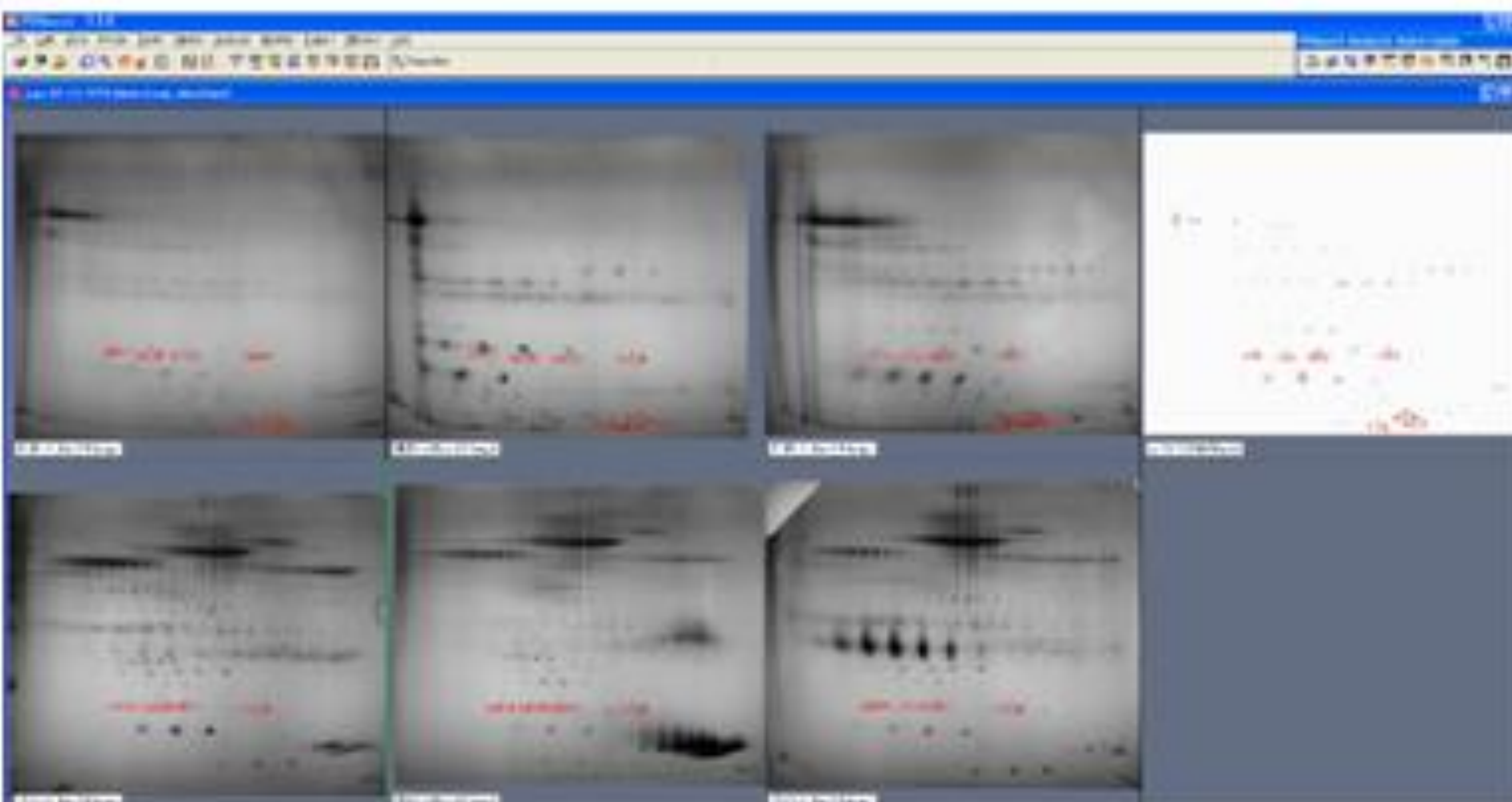
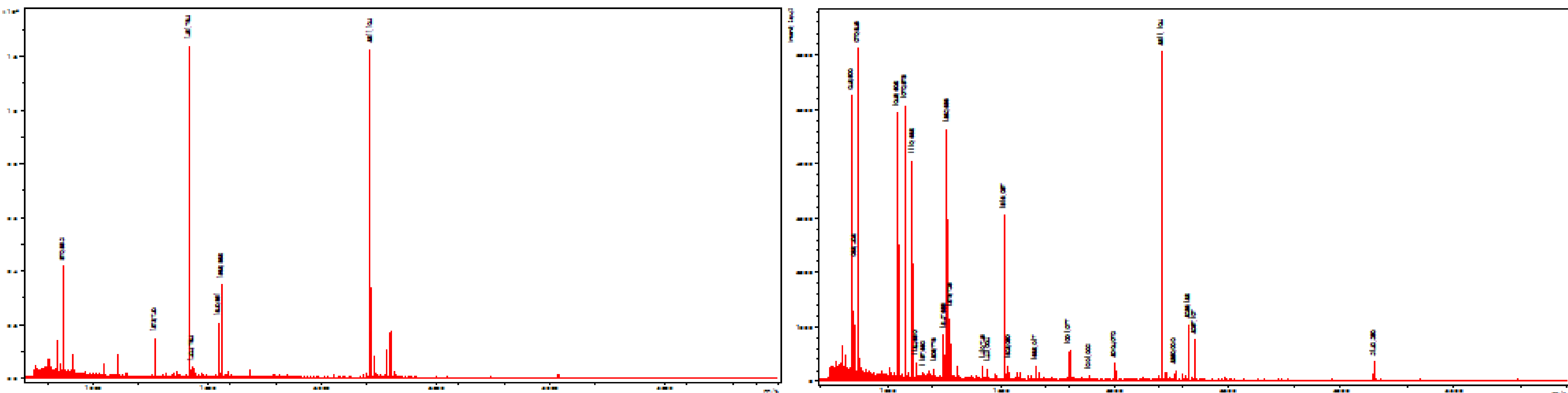


Figure 2-1. Identified protein : S10A8\_HUMAN, Protein S100-A8

Figure 2-2. Identified protein : A1AT\_HUMAN,  $\alpha_1$ -antitrypsin



The identified proteins are S10A8\_HUMAN, Protein S100-A8 (Fig. 2-1) A1AT\_HUMAN,  $\alpha_1$ -antitrypsin (Fig. 2-2).

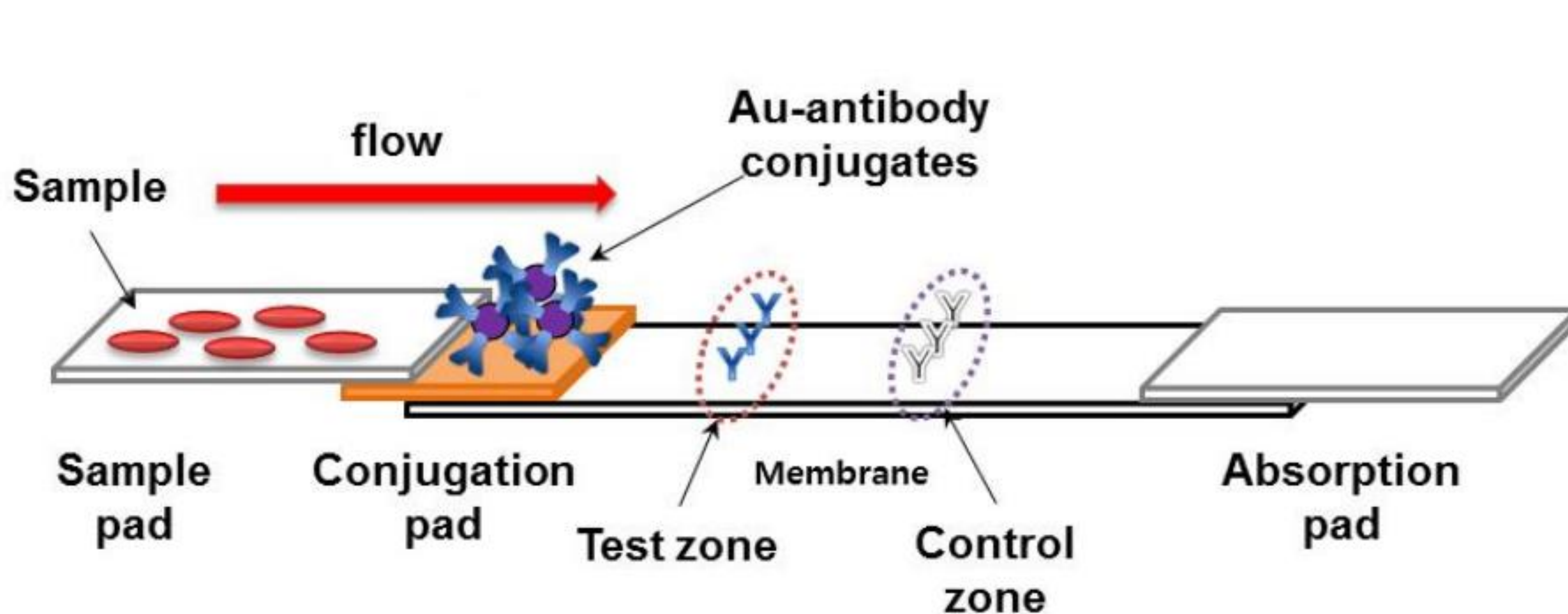


Figure 3. LFIA (Lateral Flow Immunochematographic Assay) strip

## CONCLUSIONS

**S100-A8**, which is found only in **meconium**, was identified, and based on this, a kit was made to quickly diagnose meconium in amniotic fluid.