

**REACTION VESSEL FOR PROCESSING A BIOLOGICAL SAMPLE
CONTAINED IN A LIQUID**

Abstract

A reaction vessel for processing a biological sample contained in a liquid. The reaction vessel comprises a tubular body (12) which has a bottom wall (13), an upper opening (14) and side walls (15, 16) which extend between said bottom wall (13) and said upper opening (14). The bottom wall (13) and the side walls (15, 16) form a chamber (17) for receiving a liquid (41) to be processed. Chamber (17) extends straight between the bottom wall (13) and the upper opening (14) and is adapted for receiving a pipetting tip introduced into the reaction vessel through the upper opening (14). Chamber (17) has approximately the shape of a cuboid having side lengths which are equal or of the same order of magnitude. The reaction vessel further comprises a chip shaped carrier (21) which has an active surface (22) which is formed by an array of biological polymers. That active surface is accessible to liquid (41) contained in chamber (17), and the chip shaped carrier (21) is located in an opening (31) of the side wall (16) of the tubular body (12) or on the inner surface (16) of the side wall or in a recess formed in the inner surface of the side wall (16).

Figure 6