

ABSTRACT

5 A discharge device (30) for centrifuging a reaction vessel unit with reaction vessels, e.g. a micro-
titer plate, is proposed, as well as a corresponding centrifuge and a method for cleaning the dis-
charge device (30). The discharge device (30) has a discharge plate (31), which can be posi-
tioned opposite from the openings of the reaction vessels in a centrifuge. During centrifugation,
liquid exiting the reaction vessels due to the centrifugal acceleration is collected and discharged
10 by the discharge plate (31). On the side of the discharge plate (31) facing the openings of the
reaction vessels, there are fins (40) arranged approximately parallel to the axis of rotation of the
rotor and transverse to the direction of movement of the discharge plate (31). The discharge de-
vice (30) keeps liquid ejected from the reaction vessels during centrifugation away from the rest
of the device. The fins (40) ensure that ejected liquid is discharged in an optimal way. Corrosion
15 and/or chemical interactions with the ejected liquid are prevented and the formation of aerosols
is also greatly reduced. Cross-contamination of reaction vessel units during centrifugation is
largely prevented, as is the wetting of the reaction vessel unit. In addition, the cleaning effort is
considerably reduced.

20 Fig. 2 for publication