

Title (en)  
TEMPERATURE CONTROL

Title (de)  
TEMPERATURREGELUNG

Title (fr)  
RÉGULATION DE TEMPÉRATURE

Publication  
**EP 4163011 A1 20230412 (EN)**

Application  
**EP 22197262 A 20220922**

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Abstract (en)  
The invention relates to a device and a method for rapidly changing and controlling the temperature of diagnostic consumables and their contents in a diagnostic analyser system and provides a system for performing biochemical assays with a fluid, comprising a circular disc-shaped container with at least one compartment for taking up the fluid to be processed in the biochemical assay, wherein the circular disc-shaped container has a centrally arranged acceptance for an axis; a thermal chamber, comprising a housing for accommodating the circular disc-shaped container, wherein the housing comprises a flat upper surface and a flat inner bottom surface, and wherein a cold plate that is connected to a cooling element is arranged above the flat inner bottom surface inside the housing of the thermal chamber, and an inlet and an outlet for an air supply; and a drive comprising the axis with an upper end for its connection to the circular disc-shaped container by crossing a bottom surface of the thermal chamber's housing, wherein the axis is connected to a motor for rotating the axis, and wherein the axis is further connected to a motor for moving the axis vertically inside the thermal chamber.

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Citation (search report)  
• [XAYI] WO 2017139447 A1 20170817 - COYOTE BIOSCIENCE USA INC [US]  
• [Y] US 2018214877 A1 20180802 - LIANG QIAN [SG]  
• [A] US 2021041379 A1 20210211 - YANG TINGLU [US], et al  
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