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**Urgent safety information**

Incident

concerning

Micro-Dx™ CE IVD and MoLYsis-SelectNA™*plus*

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21.02.2023

**Sender:**

Molzym GmbH & Co. KG  
Mary-Astell-Strasse 10  
28359 Bremen, Germany

**Addressee:**

Users and distributors of Micro-Dx™ and MoLYsis-SelectNA™*plus*

**Background:**

Recent field interventions reported similar technical problems occurring on the SelectNA™*plus* devices, used in conjunction with related kits – Micro-Dx™ CE IVD and MoLYsis™-SelectNA™*plus* kits. This prompted our team to investigate the cause of these technical issues, and the root cause of the technical issue was successfully identified as being a consumable part of the kits mentioned in this letterhead.

Manufacturer awareness date: February 7<sup>th</sup>, 2023

Internal reference: ID 358

It was immediately decided to interrupt deliveries of kits, to establish a field corrective action to avoid any other technical issues at customer site, while defining a sustainable solution for our customers to be able to resume operations and usage of our kits in proper conditions.

A description of the situation, of proposed immediate actions and ongoing remedies being worked on by Molzym is presented herein.

Identification of the affected medical devices:

Product	Micro-Dx™ CE IVD	MolYsis-SelectNA™ <i>plus</i>
Product number	U-200-024 and U-200-048	D-450-048
Affected Lot numbers	X11hKU200.048	X06hKD450.048
	X12hKU200.048	X07hKD450.048
	X13hKU200.024	Y01hKD450.048
	X18hKU200.024	Y04hKD450.048
	X20hKU200.024	Y09hKD450.048
	X24hKU200.024	Y17hKD450.048
	Y01hKU200.048	Y18hKD450.048
	Y02hKU200.048	Y28hKD450.048
	Y03hKU200.048	Z12hKD450.048
	Y08hKU200.048	Z13hKD450.048
	Y09hKU200.048	A03gKD450.048
	Y10hKU200.024 and Y10hKU200.048	A04gKD450.048
	Y11hKU200.048	A16gKD450.048
	Y22hKU200.048	A17gKD450.048
	Y23hKU200.048	A18gKD450.048
	Y24hKU200.048	A19gKD450.048
	Y28hKU200.048	A23gKD450.048
	Y29hKU200.048	A24gKD450.048
	Y30hKU200.048	A25gKD450.048
	A02gKU200.024 and A02gKU200.048	
	A05gKU200.048	
	A09gKU200.048	
	A10gKU200.048	
	A11gKU200.048	
	A17gKU200.048	
	A18gKU200.048	
	A23gKU200.048	
	A25gKU200.048	
B01gKU200.048		
B02gKU200.048		
B06gKU200.048		



**Description of the problem including the determined cause:**

- Problem identified and disfunction of the device: In the above listed lot numbers of kits, it has been identified that foaming can occur in the extraction cartridges. If foam or humidity is transferred through the outlet filters of the cartridges by the vacuum pumps, a circular wet imprint is visible outside the outlet filter of the extraction cartridge.  
In course of time, the humidity can lead to a defect or failure of the vacuum pump which leads to missing eluates or to repeatedly rejected channels with uncritical specimens at the same channel.  
In the last resort, the humidity causes a defect of the vacuum pump that needs replacement.
- Risk evaluated: The risk for users and patients in the continued use of the device is the loss of the specimens and consequently no eluate available. There is no loss in the sensitivity of analysis of the PCR results based on the received eluate.
- Determined cause: deep investigations and advanced tests have been performed on our kits to allow for the replication of technical issues encountered by customers on their devices. These experiments led to identify the cause as being plastic consumable components of our kit, extraction columns, which performance did not fit with Molzym requirements in spite of proper quality control performed by supplier, upon goods receipt, assembly and final product quality control.

**What actions are taken by Molzym?**

Molzym Production Team is focusing on the production of new lots of Micro-Dx™ and MolYsis-SelectNA™*plus* and has reinforced its Quality Control procedures accordingly.

In parallel, our R&D Team is performing further experiments to propose an adapted protocol, as a short-term solution, for the minimization of foam formation using the kits already delivered by adding an additive into the extraction cartridges. As soon as the interim solution to minimize foam formation is available and validated, Molzym will inform users and distributors and will provide the adapted protocol; **no later than by March 8<sup>th</sup>, 2023.**

Through this communication, we want to ensure that all devices which have been used with the affected kit lots listed herein are subjected to thorough inspection and cleaning undertaken by qualified technicians. A Molzym's representative or the local distributor will contact you to coordinate this **before mid March.**

**After your device has been inspected and cleaned, please use the device only with the interim solution or new kits which will be provided asap.**

Our priority remains to provide you with the highest quality standard products and our team is doing its best to provide you an interim and long-term sustainable solution to avoid any disruption in your laboratory work.

We apologize for any inconvenience and thank you in advance for your understanding and cooperation.



**What measures are to be taken by the addressee?**

To preserve the system and avoid unnecessary damaging of the pumps, please follow the guidelines below:

- Please clean the vacuum suction cup below the vacuum unit with a paper towel soaked with disinfectant after each extraction run as described in the manual.
- Each position where the vacuum pump is defective shall not be used any further.
- The device can then be further used with empty extraction cartridges and buffer cartridges loaded at defective positions.
  - **For this purpose, please take an extraction cartridge out of the kit** which can be reused over and over. The cartridge will be filled with some water by the device, after the run is completed, please discard the water from the cartridge and reuse it for the next extraction run. In addition, please load an empty buffer cartridge which can be reused as well.
  - **If you don't have an empty cartridge at hand, please take a buffer cartridge** out of the kit, empty it, wipe it dry with a paper towel and load it into the device. The cartridge will be filled with some water by the device, after the run is completed, please discard the water from the cartridge and reuse it for the next extraction run. No other additional vials, like enzyme vials etc. are required. Please load all functioning positions as usual and start the extraction run.

Please acknowledge receipt of the security information (in writing by email or fax) within 1 week of receipt of this letter.

We kindly ask you to please inform Molzymbio about affected devices including serial number of the device and affected positions, e.g., SNP-004 positions 1 and 3, either via your direct contact or the contact person indicated below.

**Contact person**

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With best regards

