

Algemene informatie

Aanbesteding: Erasmus MC IPScore Automated System
Aanbestedende Dienst: Erasmus MC
Referentie: -

Toelichting:

Vraag en antwoord

Ref.nr. 40
Onderwerp: Eis 1

Vraag:

the liquid handler gripper arm must have the capability to transfer different tubes types (from 1mL 96 format cryotubes to 50mL falcon-like tubes) for present or future workflow”. This is dependent on the integrator, in case they provide the robotic arm for movement of the 50mL falcon tubes it makes a tool for internal transportation inside the liquid handler redundant and unnecessary more expensive.

Antwoord:

The requirement that the gripper arm of the liquid handler must be able to handle different tube types (from 1 mL 96-format cryovials to 50 mL Falcon-type tubes) remains a strict requirement for both current and future workflows. If the integrator provides a robotic arm that handles 50 mL tubes, this may render internal transport unnecessary; however, this does not change the requirement itself. In any case, the system must provide this functionality.

Fase:

Inschrijffase

Inschrijfronde:

Inschrijfronde 1

Vragenronde:

Vragenronde 4

Percelen: P3 Liquid handler

Beantwoord op: 30 okt 2025

Ref.nr. 41
Onderwerp: Requirement 2 (Eis 2)

Vraag:

the liquid handler gripper arm must be able to automatically switch (within one run, without manual user intervention) between different types of gripper-fingers (for plates, tubes (etc.))". We have different tools for this which will both be equipped to the system therefore no switching is required. Also, no manual intervention is required to be able to grip both things with the liquid handler. Is this sufficient?

Antwoord:

If no switching between different gripper fingers is required while maintaining the same level of performance and reliability, this would indeed be considered sufficient. The functional requirement — the ability to handle different types of tubes and plates within one run without manual user intervention — remains unchanged.

Fase:

Inschrijffase

Inschrijfronde:

Inschrijfronde 1

Vragenronde:

Vragenronde 4

Percelen:

P3 Liquid handler

Beantwoord op:

30 okt 2025

Ref.nr.

42

Onderwerp:

Requirement 4 (Eis 4)

Vraag:

: The smallest volume pipetted in the protocol is 2.5uL. However, the PvE request an accurate pipetting of 0.5uL in free-dispense mode. Our default solution will be able to accurately perform all steps in the protocol. To comply with the PvE we need to extend the system with a different type of channel. Would the possibility of upgrading the system in the future with tools to accurately pipet 0.5uL, or lower, in free-dispense mode also be sufficient to match with the PvE?

Antwoord:

The proposal to suffice with the option to upgrade in the future is not in accordance with the specifications (PvE). The requirement in the PvE explicitly states that the system must be capable of accurately pipetting 0.5 µL in free-dispense mode. A future upgrade does not meet this requirement;

the system must be able to perform this functionality immediately.

Fase:

Inschrijffase

Inschrijfronde:

Inschrijfronde 1

Vragenronde:

Vragenronde 4

Percelen:

P3 Liquid handler

Beantwoord op:

30 okt 2025

Ref.nr.

43

Onderwerp:

Requirement 8 (Eis 8)

Vraag:

liquid handler must have the ability to integrate modules like plate-reader/-washers below the pipetting deck and able to reach with the integrated plate gripper arm". In our opinion there are better alternatives than integrating below deck, the integrator will have a better view on the integration requirements. Since the integration will have to integrate multiple third party instruments already, there is no clear benefit of integrating a separate arm to reach below the deck. The integrator should be in the lead of integrations. Of course, we can comply with the requirement if required. Can you elaborate why integrations below deck are a necessity?

Antwoord:

The requirement that modules such as plate readers and washers must be integrated beneath the pipetting deck and accessible by the integrated plate gripper arm is a strict requirement as stated in the specifications (PvE). Alternatives or suggestions may be considered for additional optimizations, but they may not replace the existing requirement.

Fase:

Inschrijffase

Inschrijfronde:

Inschrijfronde 1

Vragenronde:

Vragenronde 4

Percelen: P3 Liquid handler

Beantwoord op: 30 okt 2025

Ref.nr.
44

Onderwerp:
Requirement 12 (Eis 12)

Vraag:

The supplier must ensure that the liquid handler has sufficient capacity to accommodate all the lab culture ware required for performing every expansion step outlined in the SOP". Reading the SOP, a separation could be made between expansion steps and sample collection. Does this requirement mean that the system is only responsible for the selecting and passaging steps?

Antwoord:

Our apologies for the misunderstanding. The liquid handler must have sufficient capacity to perform all steps described in the SOP, including sample collection (e.g. RNA or DNA), in addition to the selection and passage steps.

Fase:

Inschrijffase

Inschrijfronde:

Inschrijfronde 1

Vragenronde:

Vragenronde 4

Percelen: P3 Liquid handler

Beantwoord op: 30 okt 2025

Ref.nr.
45

Onderwerp:
Requirements 12 & 13 (Eis 12 &13)

Vraag:

Eis 12 & 13 mention that the liquid handler should have sufficient capacity for the expansion steps. However, in Slot 1 in eis 107 it is stated that the integrator is responsible for providing enough consumables and reagent for the cell culturing steps. Does this mean a handover position for the reagent, tips and plates of the liquid handler will be sufficient or should all reagents tips and plates for the entire run be placed on deck?

Antwoord:

A handover position is indeed sufficient.

Fase:

Inschrijffase

Inschrijfronde:

Inschrijfronde 1

Vragenronde:

Vragenronde 4

Percelen:

P3 Liquid handler

Beantwoord op:

30 okt 2025

Ref.nr.

46

Onderwerp:

Requirement 13 (Eis 13)

Vraag:

In which way will the integrator provide the media? This very much affects the configuration of the liquid handler. Different solutions are required in case the reagent is provided using a pump and tubes or by transportation of plates.

Antwoord:

The implementation schedule of the integrator is currently not known, as this is addressed in a different part of the project. We understand that the method of medium delivery — whether via pumps and tubing or through plate transport — affects the configuration of the liquid handler. The final configuration will be determined by the integrator's smart and efficient solution, provided that this does not alter the capacity requirements for the cell expansion steps described in the SOP.

Fase:

Inschrijffase

Inschrijfronde:

Inschrijfronde 1

Vragenronde:

Vragenronde 4

Percelen:

P3 Liquid handler

Beantwoord op: 30 okt 2025

Ref.nr.
47

Onderwerp:
Requirement 13 (Eis 13)

Vraag:

Eis 13 states that 84 iPS lines should be maintained within 24 hours. However, this is impossible to predict solely looking at the liquid handler. This very much depends on the speed of the integrator for providing the consumables and reagent and the reader.

Antwoord:

Indeed, the integrator supplying the liquid handler affects the time spent per line. However, the internal steps for 84 iPS lines within the liquid handler should be able to complete their tasks within 24 hours, taking into account realistic delivery times and some buffer.

Fase:

Inschrijffase

Inschrijfronde:

Inschrijfronde 1

Vragenronde:

Vragenronde 4

Percelen: P3 Liquid handler

Beantwoord op: 30 okt 2025