

Components to Purchase and Assemble Electronically Controlled Ex Utero Embryo Culture Platform – Jacob Hanna lab

Version 1 - 10/2022

(Designed and validated in Aguilera-Castrejon et al. Nature 2021, and then used in Tarazi et al. Cell 2022 & Amadei et al. Nature 2022).

- 1) Electronic controller and gas mixing device and accessories: Platform designed by Hanna lab and assembled and marketed by Arad Technologies Ltd. Ashdod Israel.

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Purchasing is contingent signing an MTA with Weizmann Institute as appended below. Please have your institute sign and email a copy to Jacob.hanna@weizmann.ac.il and raanan_sh@netvision.net.il . **UBMTA version is also available upon request.**

- A. **Product 1 needed:** Electronically regulated **gas controller unit** and **gas mixing box** for roller culture system (Designed by Hanna lab and assembled by Arad Technologies Ltd. **Hannalab1 model**; originally described in Aguilera-Castrejon et al., 2021).
- B. **Product 2 needed:** A **gas humidification bottle with adaptor cap** for gas inlet (Designed by Hanna lab and assembled by Arad Technologies Ltd.) to ensure adequate humidity of the circulated gas and is incorporated to modify the roller bottle incubator detailed below from Cullum Star.

2) Roller culture and incubator part with needed accessories: B.T.C. Engineering, Cullum Starr Precision Engineering, UK.

Contact Steve Starr: cullumstarr@gmail.com



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PART NUMBER	DESCRIPTION	QTY
MC80-2	BTC Precision Incubator - MC80-2	1
BTC 02	BTC Rotating Bottle Culture Unit (BTC 02)	1
BTC 04	BTC 04 Glass Bottles (Large) BTC 04	40
BTC 04	Glass Bottles (Large) BTC 04	
BTC 06	Bung (Hole) BTC 06	30
BTC 07	Bung (Solid) BTC 07	30
BTC 07	Gas Bubbler Kit	2

- A. **Precision Culture incubator** (MC80-2; #BTC 01) with Rotating Drum Unit (#BTC 02) and **gas bubbler kit** (#Gas bubbler kit) (all from B.T.C. Engineering, - Cullum Starr Precision Engineering).
- B. **Silicon bungs- Hole** (B.T.C. Engineering, Cullum Starr Precision Engineering Cat# BTC 06 – order 40 units per 1 incubator).
- C. **Silicon bungs - Solid** (B.T.C. Engineering, Cullum Starr Precision Engineering Cat# BTC 07 – order 40 units per 1 incubator).
- D. **Large glass culture bottles** (B.T.C. Engineering, Cullum Starr Precision Engineering Cat# BTC 04 – order 40 units per 1 incubator).

Please note: Arad Technologies Ltd. now offers to sell their version of all validated components listed above except for the Rotating Wheel-Bottle Unit (BTC02), on which they are still working to modify and validate.

MATERIAL TRANSFER AGREEMENT

This Material Transfer Agreement (the “**Agreement**”) is entered into on the date of last signature thereof by and between the **Weizmann Institute of Science** of Herzl Street 234, Rehovot 7610001, Israel (the “**Institute**”) and **Recipient** (each a “**Party**”, collectively, the “**Parties**”).

In this Agreement:

“ Recipient ”	[Name], of [Address]
“ Recipient Scientist ”	[-]
“ Institute Scientist ”	[-]
“ Material ”	[Description of original material] as well as any fragment, progeny and unmodified derivatives thereof, and [description of transferred information/data/know-how/protocol], and any information disclosed to Recipient in connection therewith.
“ Research ”	[Description of the planned research]
“ Yeda ”	Yeda Research and Development Co. Ltd., the technology transfer company of the Institute

WHEREAS Recipient Scientist requests to receive the Material developed by the Institute Scientist, for the sole purpose of using it in the Research.

WHEREAS As the rights and title in and to the Material vest in, and constitute a valuable asset of, the Institute, as a pre-condition to the transfer of the Material, the Institute requires that the Material shall be provided to Recipient under the following terms:

1. Recipient agrees and warrants that:

- 1.1. it will use the Material in compliance with all applicable statutes, laws, treaties, regulations and guidelines such as, for example, those relating to research involving the use of animals, including obtaining and compliance with ethics approvals for the Research, as applicable;
- 1.2. it will use the Material solely for academic research under the Research, and in any event not for any commercial purposes;
- 1.3. it will not use the Material in human subjects, in clinical trials, or for diagnostic purposes involving human subjects, without the Institute’s prior written consent;
- 1.4. it will store and use the Material only at Recipient Scientist’s laboratory at the Recipient and will not transfer the Material or any part thereof to any third party without the Institute’s prior written consent;
- 1.5. it shall refer to the Institute any request it receives for the Material; and

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9. Recipient shall keep confidential and shall not disclose to any third party any information disclosed to it by the Institute hereunder, including but not limited to information relating to the Material (the "Confidential Information"). Recipient shall keep all Confidential Information in strict confidence and shall disclose it only to those employees, agents or consultants who are required to have such Confidential Information in order to perform Recipient's rights and obligations under this Agreement, provided that such employees, agents or consultants are bound by confidentiality obligations no less restrictive than the terms herein. Recipient's obligations under this clause 10 shall not apply to information that (i) was known to Recipient prior to the date it was received, as witnessed by documentary evidence; (ii) was known to the public or generally available to the public prior to the date it was received; (iii) became known to the public or generally available to the public subsequent to the date it was received through no fault of Recipient; (iv) was required to be disclosed by an order of a competent court or an authorized governmental authority, or by law, provided that adequate

opportunity is given to the Institute to object to such order, and if such disclosure remains enforced, it does not exceed the extent required.

10. The Parties hereto undertake not to make mention of the names of the other Party or of any scientists or other employees of any of the foregoing in any manner or for any purpose whatsoever in connection with the subject matter thereof, unless the prior written approval of such other Party has been obtained.
11. This Agreement will terminate on the completion of the Research, provided that: (i) without derogating from the rights of the Institute hereunder or by law, the Institute may terminate this Agreement by written notice to Recipient with immediate effect upon the commission of a material breach hereof by Recipient, which breach either cannot be cured or, if curable, has not been cured to the satisfaction of the Institute within 15 days of notification by the Institute to Recipient as to such breach; and (ii) either Party may terminate this Agreement by written 30 day advance notice to the other Party.
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13. This Agreement shall be governed by and in accordance with the laws of the State of Israel, without giving effect to the principles thereof relating to conflict of laws. For any disputes which cannot be resolved amicably, the Parties consent to the exclusive jurisdiction of the courts of Tel Aviv, Israel.
14. This Agreement may not be assigned by either Party other than with the prior written consent of the other Party.

IN WITNESS WHEREOF, the Parties have signed this Agreement as of the date hereof.

[Recipient]

Weizmann Institute of Science

[Signature and stamp]

By:
Title:
Date:

By:
Title:
Date:

Acknowledged and Agreed:

Recipient Scientist

Institute Scientist

Date:

Date: