SOUTH QUALITY

PROFICIENCY TESTING PROVIDER

REPORT No 11424

Date of issue: *November 24, 2025*

Status: FINAL REPORT

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ASTM F1862

RESISTANCE OF MEDICAL FACE MASKS TO PENETRATION BY SYNTHETIC BLOOD (HORIZONTAL PROJECTION OF FIXED VOLUME AT A KNOWN VELOCITY)

Program: SQ-5053.V1

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cn=BERENICE C. FERREL, o=PT SOUTH QUALITY SAS, ou=SOUTH QUALITY, email=tech@ptsouthquality.com, c=AR 2025.11.24 09:41:44 -03'00'	cn=ESTHER CASAS, o=PT SOUTH QUALITY SAS, ou=SOUTH QUALITY, email=ecasas@ptsouthquality.com, c=AR 2025.11.24 15:34:17 -03'00'	cn=Emiliano Medina, o=SOUTH QUALITY, ou=PT SOUTH QUALITY SAS, email=quality@ptsouthquality.com, c=ES 2025.11.25 11:14:56 -03'00'
Berenice Ferrel Assistant Technician	**Lic. Esther Casas** Physics expert	**Eng. Emiliano Medina** Quality Assurance Lead

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1. FOREWORD

This report summarizes the results of the SQ-5053.V1 proficiency testing program on the determination of the resistance of medical face masks to penetration of synthetic blood. This program is conducted in a bilateral format, following the A.3.3 classification of the ISO 17043 standard ("Split-sample testing schemes").

South Quality conducted the testing program in October 2025 with the aim of assessing the laboratory's ability to competently perform the designated tests.

2. ORGANIZATION

Program Coordinator:	Lic. Esther Casas
Assistant Technicians:	Berenice Ferrel
Statistic:	Lic. Manuel Tozaki
Supervision:	Eng. Emiliano Medina

3. OBJECTIVE

The objective of this proficiency testing program is to determination of the resistance of medical face masks to penetration of synthetic blood, using the following standard:

Standard
ASTM F1862 / F1862M - 24

To verify this, medical face mask samples have been selected.

Participants in this program have not been previously informed about the expected behavior of the samples they receive.

4. PARTICIPANT

Company:	**Owens & Minor Halyard Health**
Laboratory:	**La Ada de Acuña**
Country:	Mexico
Client ID:	C117
Contact person:	Erika Monarrez Ingeniero de Calidad I erika.monarrez@owens-minor.com

5. HOMOGENEITY

Several batches were prepared identically by the staff at South Quality.

Subsequently, a homogeneity study was conducted with an ISO 17025 accredited laboratory.

The control process followed ISO 33405: 2024, clauses 7.4.1.1 / 7.4.1.2. Stratified random sampling was applied, and samples were selected using random number generation software.

The results of this test are presented below:

Size of each batch: **1000 units** Tested samples from each batch: **210 units**

DETERMINATION	HOMOGENEITY OF RESULTS IN THE ANALYZED SAMPLES (LEVEL 3 - 160 mmHG)		
	BATCH: LPP3051	BATCH: LPP3052	BATCH: LPP3053
SYNTHETIC BLOOD PENETRATION	YES	YES	NO

Size of each batch: **1000 units** Tested samples from each batch: **210 units**

DETERMINATION	HOMOGENEITY OF RESULTS IN THE ANALYZED SAMPLES (LEVEL 3 - 160 mmHG)		
	BATCH: LPP3066	BATCH: LPP3067	BATCH: LPP3068
SYNTHETIC BLOOD PENETRATION	YES	NO	YES

Samples for this program are taken from the selected batches identified as **LPP3051** and **LPP3068**.

For the indicated batches, the values determined in the homogeneity study are utilized as the assigned values.

The analysis of the test data indicated that the selected samples exhibited sufficient homogeneity for the program. Therefore, the results of participants identified as outliers cannot be attributed to sample variability.

6. SAMPLE INFORMATION

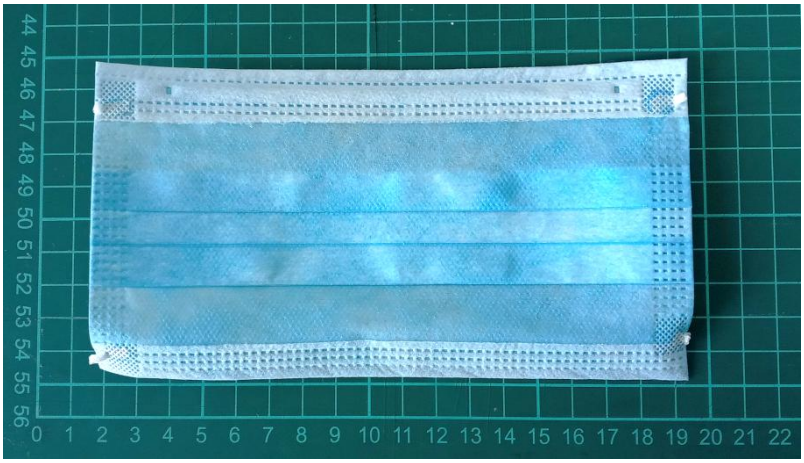
The following samples were sent for testing:

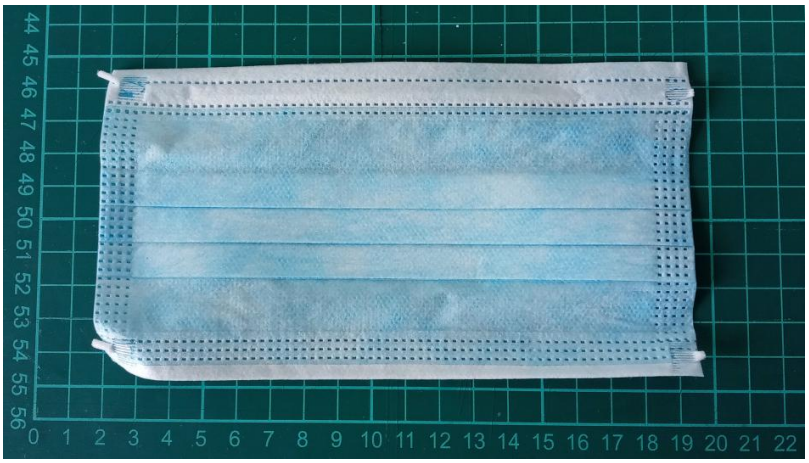
Batch:	LPP3051
Sample ID:	09
Characteristics:	Medical face mask - 35 units

Batch:	LPP3068
Sample ID:	06
Characteristics:	Medical face mask - 35 units

7. IMAGES

SAMPLES





8. ASSIGNED VALUES

BATCH	SYNTHETIC BLOOD PENETRATION - FAILURES [1] -	
	(AVG) [2]	SD
LPP3051	29	1.4
LPP3068	5	1.2

[1] Number of failures detected in samplings of 35 units

[2] Average number of failures found in 6 samples (210 units)

9. PARTICIPANT RESULTS (SEE APPENDICES)

CODE	SYNTHETIC BLOOD PENETRATION (FAILURES)
LPP3051-09	27
LPP3068-06	6

10. STATISTICS

The results must be treated as quantitative.

The comparison is made according B.3.1.3 of ISO 17043 and the appropriate technique is to compare participant results with the assigned values. The results can be compare using percent difference ***z score.***

$$z = \frac{x - X}{\hat{\sigma}}$$

x is the participant's result

X is the assigned value

$\hat{\sigma}$ is the standard deviation

The performance evaluation of each sample is carried out with the following criteria:

$|z| \leq 2.0$ indicates "satisfactory" performance and generates no signal;

$2.0 < |z| < 3.0$ indicates "questionable" performance and generates a warning signal;

$|z| \geq 3.0$ indicates "unsatisfactory" performance and generates an action signal;

11. EVALUATION OF PERFORMANCE

BATCH	SYNTHETIC BLOOD PENETRATION - FAILURES -		| z score |	PERFORMANCE RESULT
	PARTICIPANT RESULT	ASSIGNED VALUE		
LPP3051	27	29	**1.4**	**SATISFACTORY**
LPP3068	6	5	**0.8**	**SATISFACTORY**

12. CONCLUSIONS

The overall performance on this **SQ-5053.V1** program from the participant laboratory **OWENS & MINOR HALYARD HEALTH - LA ADA DE ACUÑA**, is **SUFFICIENT** based on expected results.

The criteria used for the evaluation of the overall performance is the following:

- **SUFFICIENT** performance: No unsatisfactory/questionable results were obtained.
- **ALMOST SUFFICIENT** performance: No unsatisfactory results were obtained, but one questionable result was found.
- **INSUFFICIENT** performance: An unsatisfactory result or two questionable results were obtained.

APPENDIX A

INSTRUCTIONS

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INSTRUCTIONS

PROGRAM:	Resistance of medical face masks to penetration by synthetic blood (Horizontal projection of fixed volume at a known velocity)
CODE:	SQ-5053
VERSION:	1
STANDARD:	ASTM F1862
COORDINATOR:	Lic. Esther Casas (ecasas@ptsouthquality.com)

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1 - **General**

This document serves as a guide for managing the results of the **SQ-5053.V1** program.

2 - **Standard**

ASTM F1862 / F1862M - 24

3 - **Tests involved**

TEST
Determination of the resistance of medical face masks to penetration of synthetic blood (Level 3 – 160mmHG)

4 - **Samples**

CODE	SAMPLE	QUANTITY
LPP3051-09	Medical face mask	35
LPP3068-06	Medical face mask	35

5 - **Notes**

a) Being a bilateral program, there is no deadline for submitting results.
b) The participant must submit the results using the usual report employed by their laboratory.
c) The samples are to be handled as routine lab samples, with all testing, documentation, and reporting adhering to ASTM F1862.
d) Samples must be retained until the end of the program, which concludes with the submission of the final report.
e) To review the results, test images would be appreciated. Images can be attached at the end of this document or sent by email.

PHOTOGRAPHS

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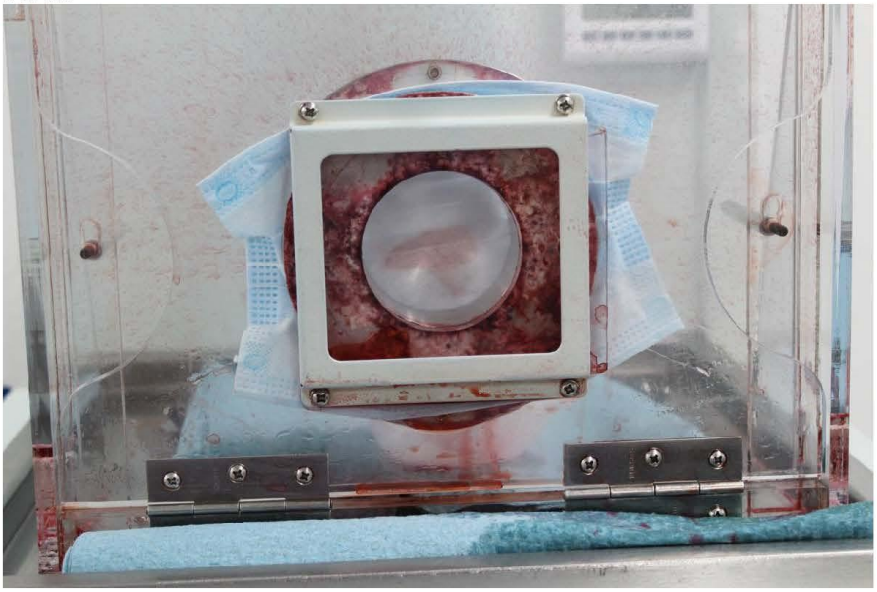

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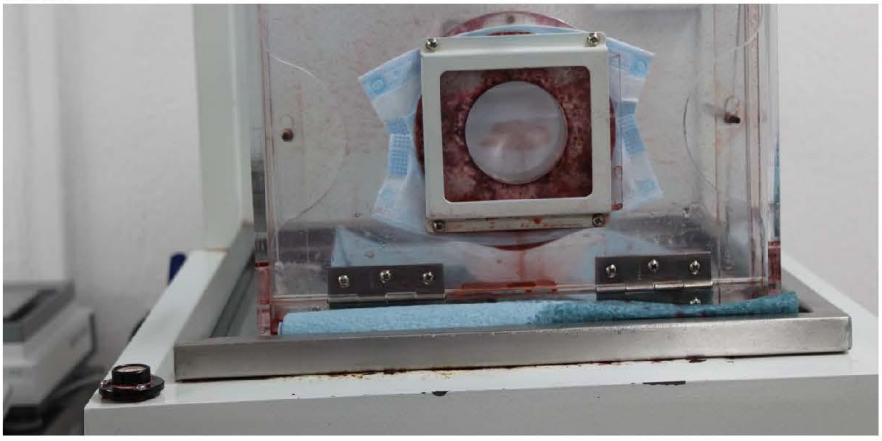

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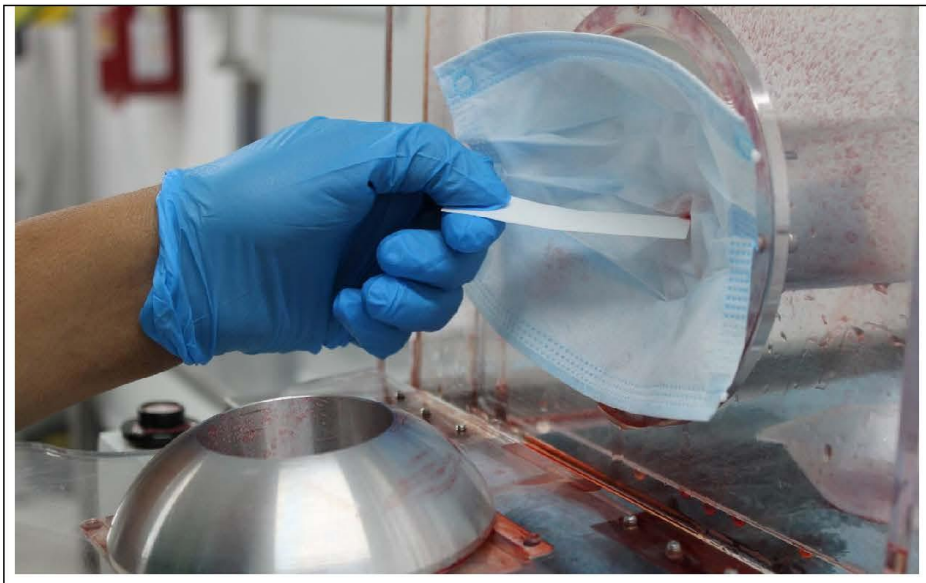

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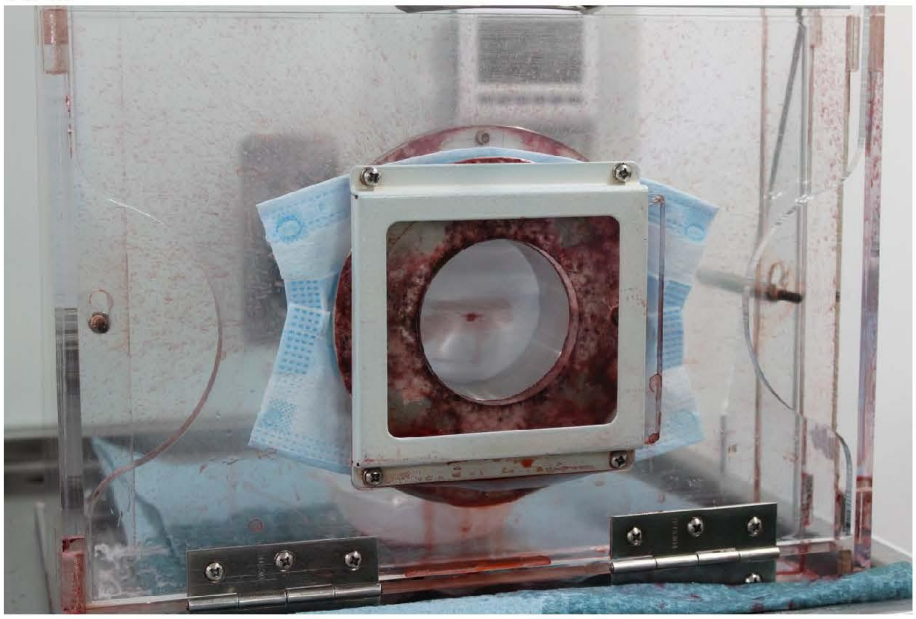

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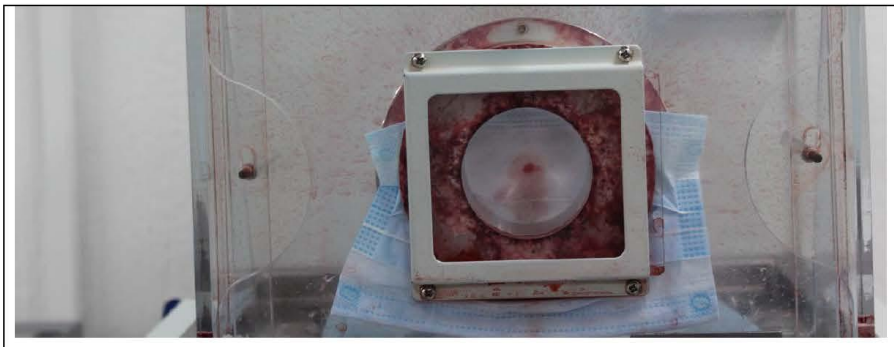

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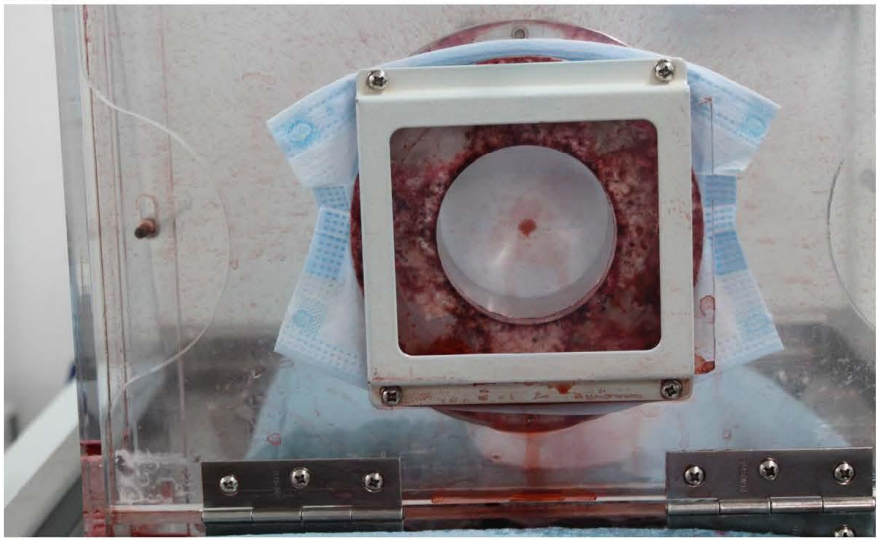

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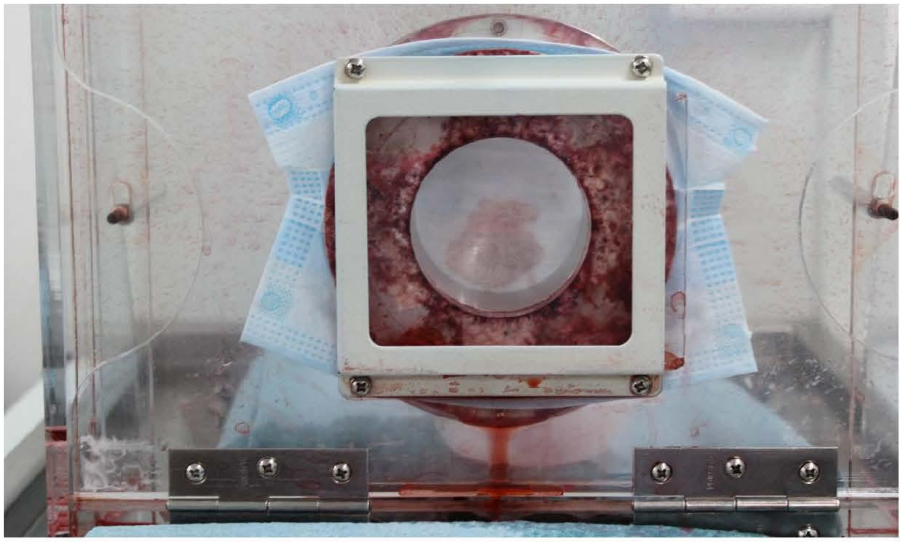

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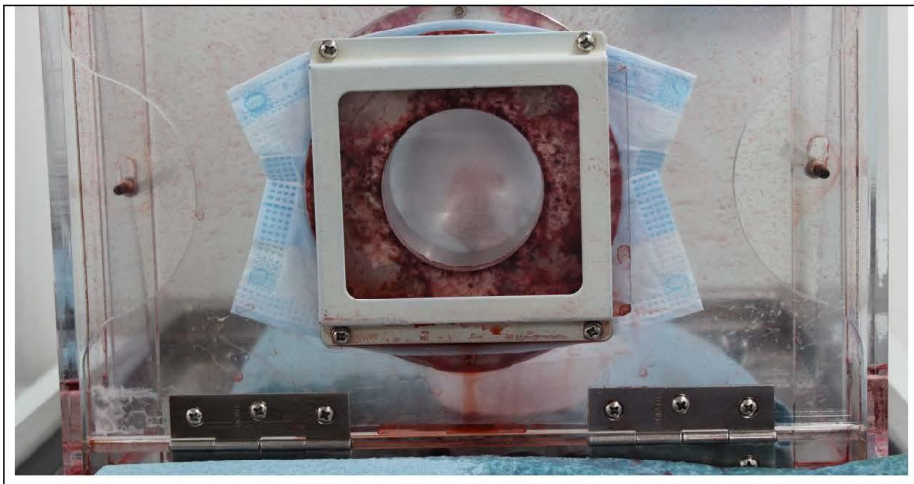

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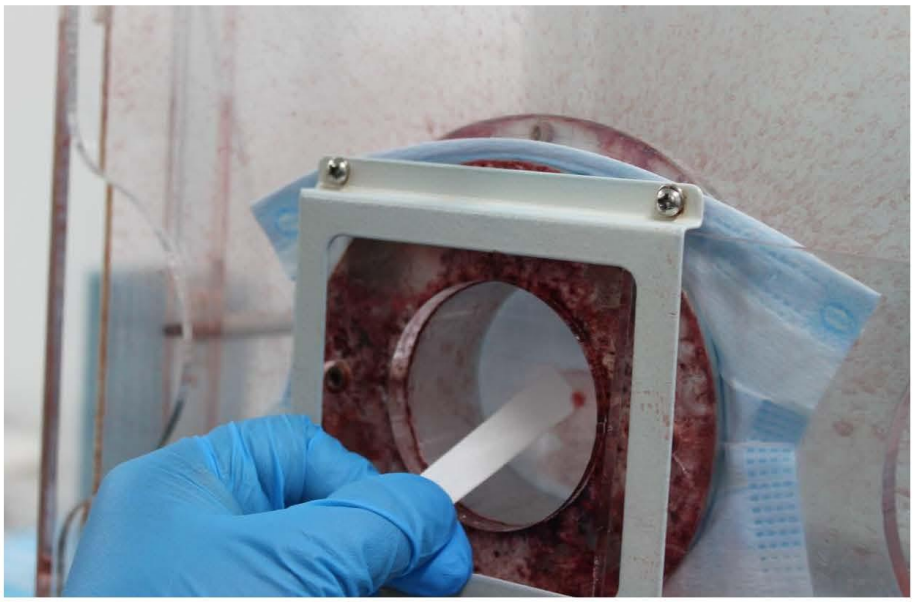

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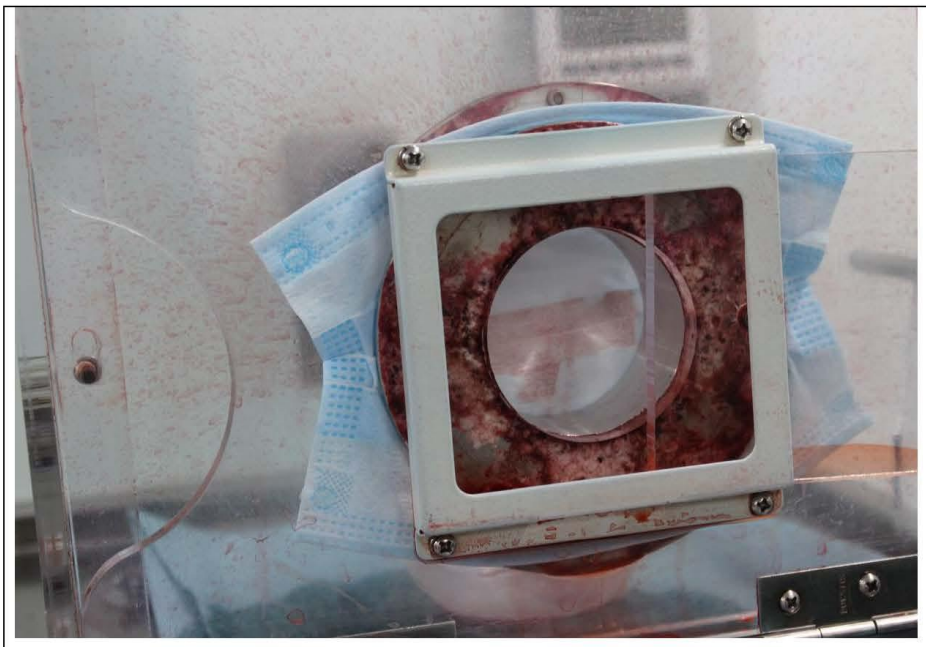

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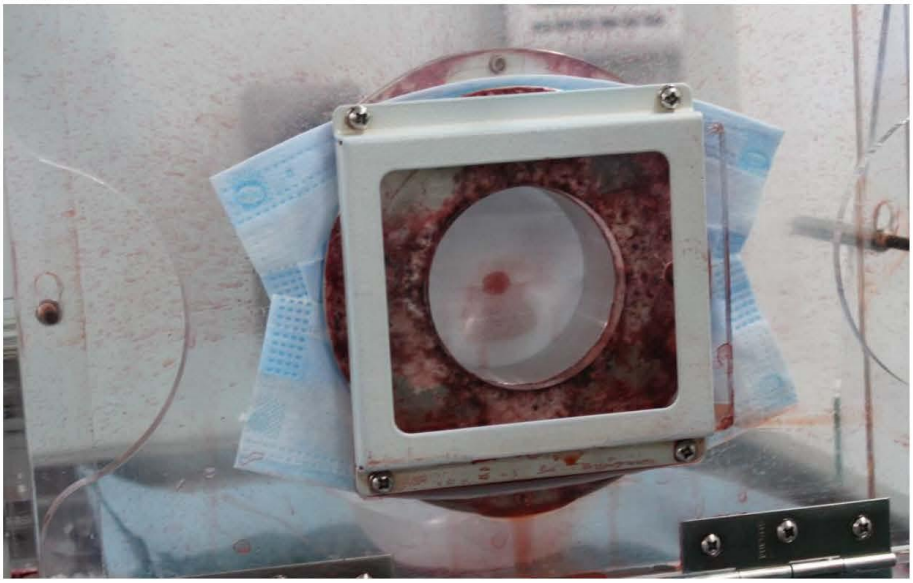

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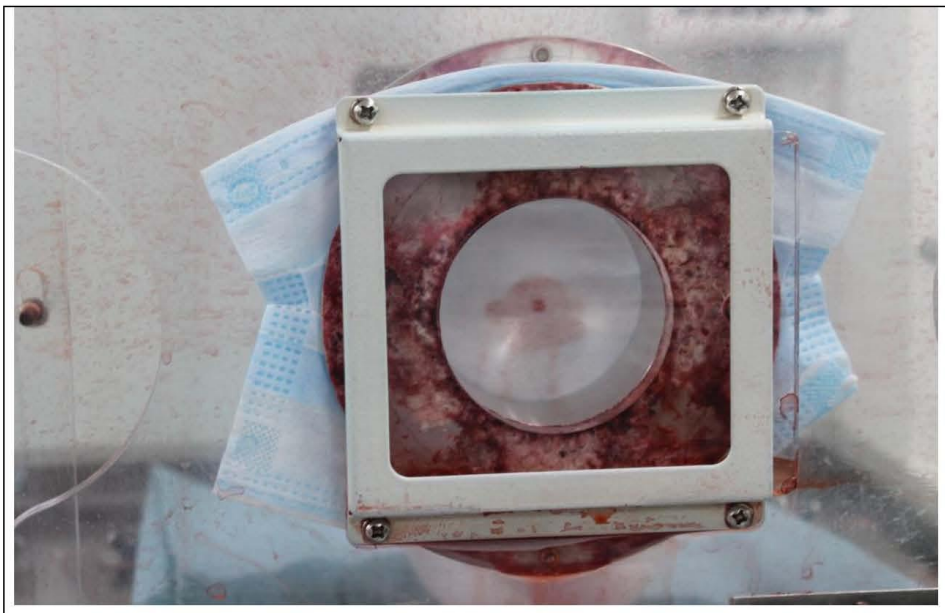

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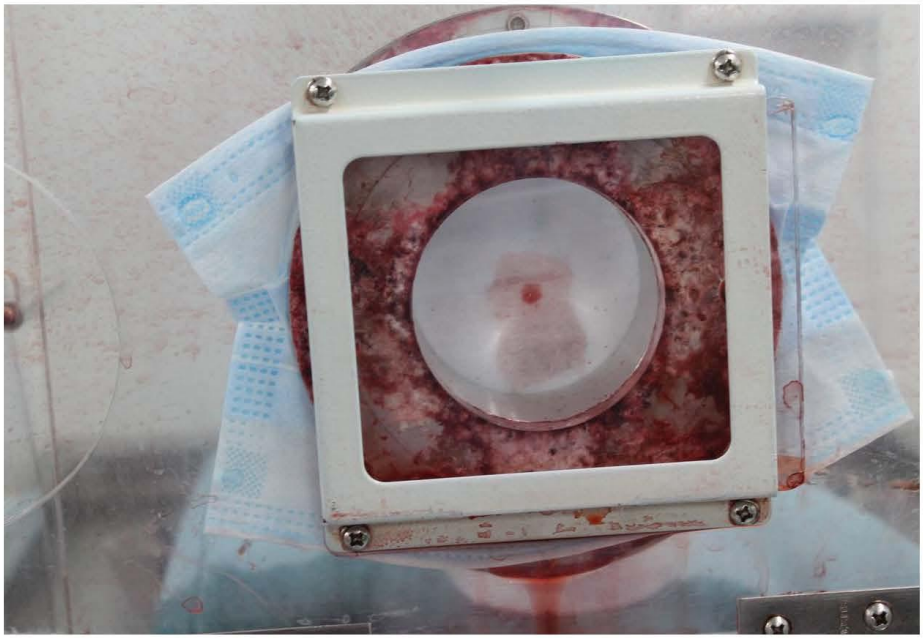

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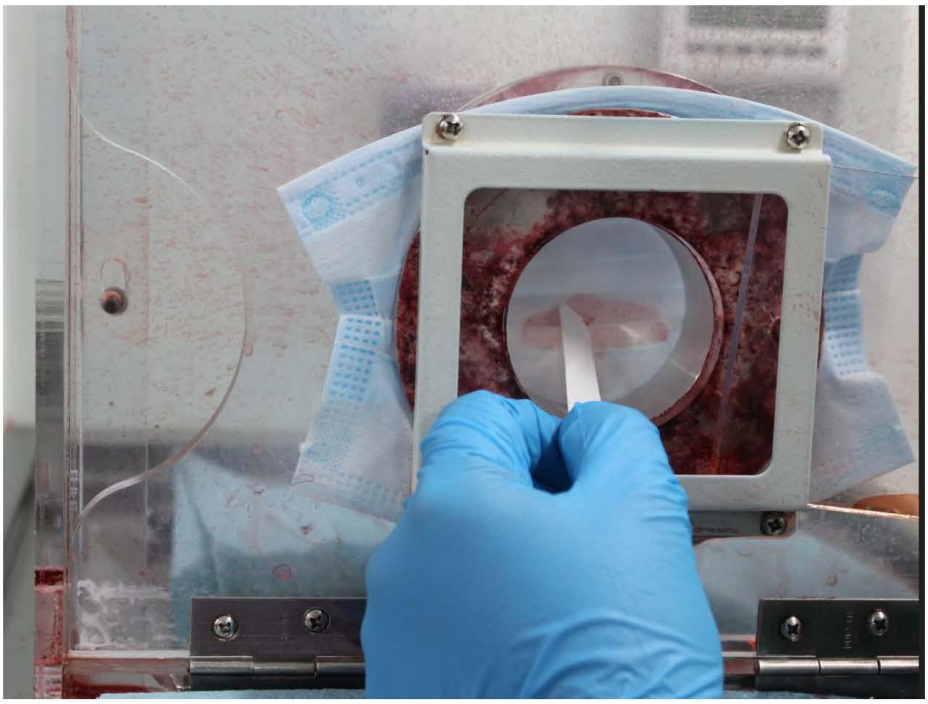

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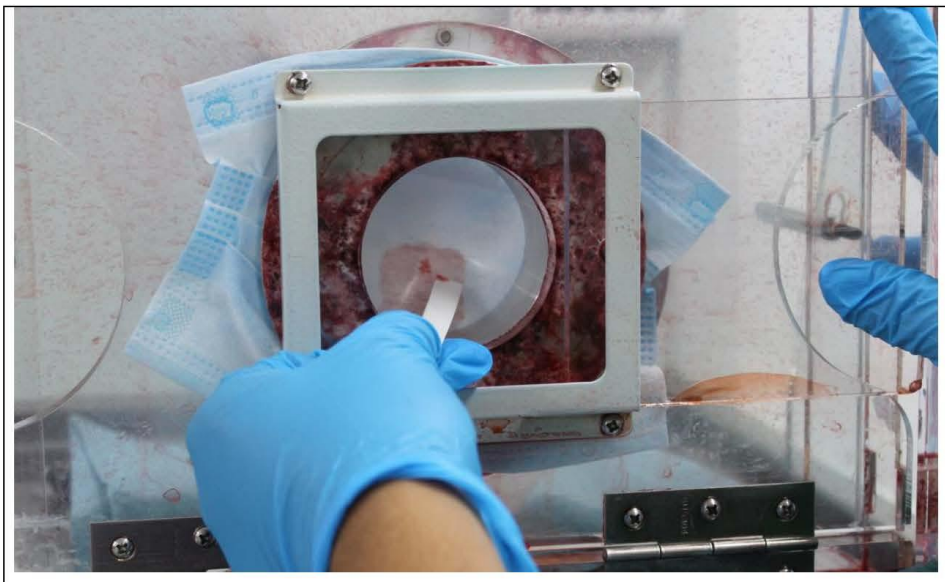

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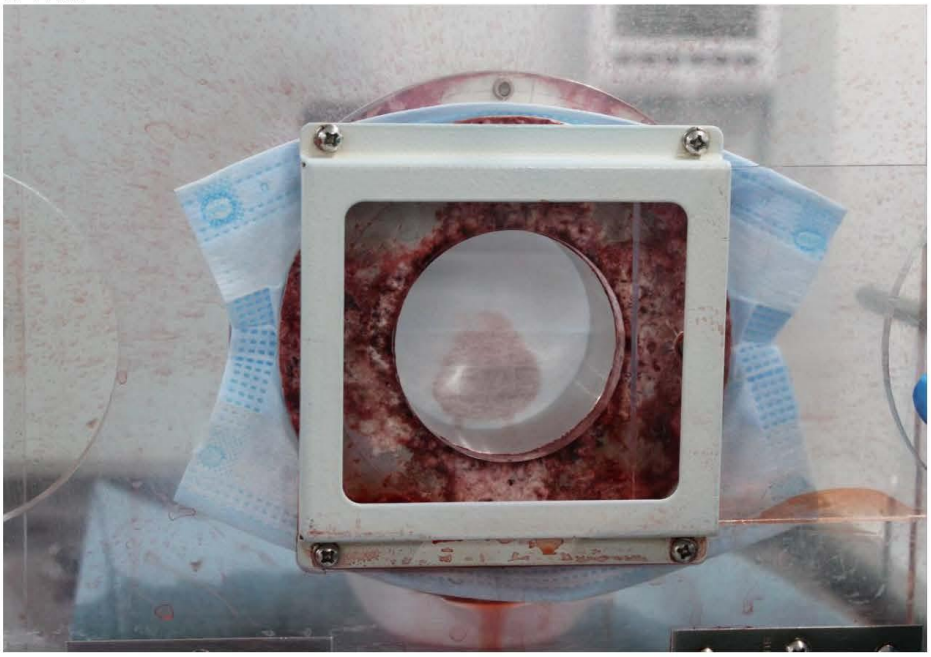

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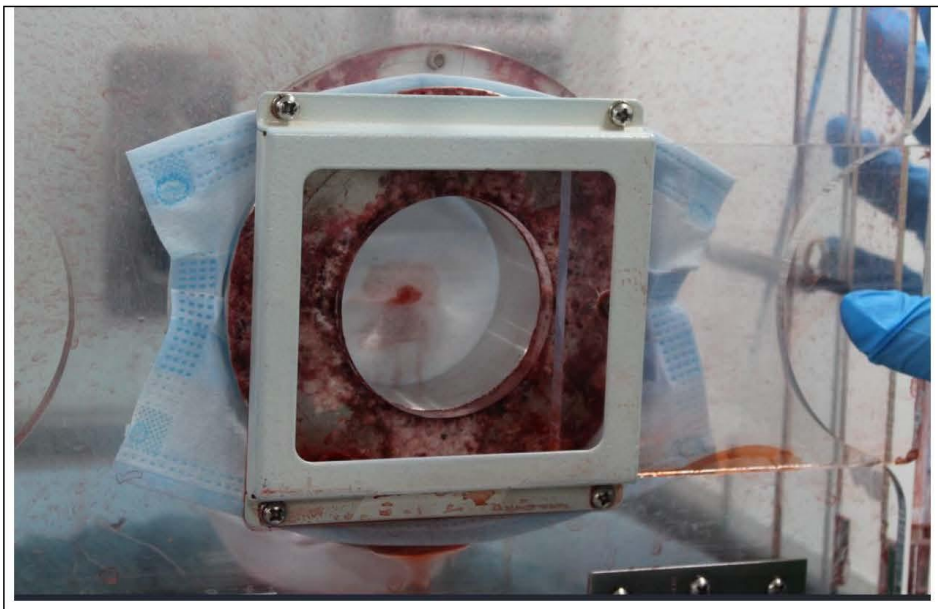

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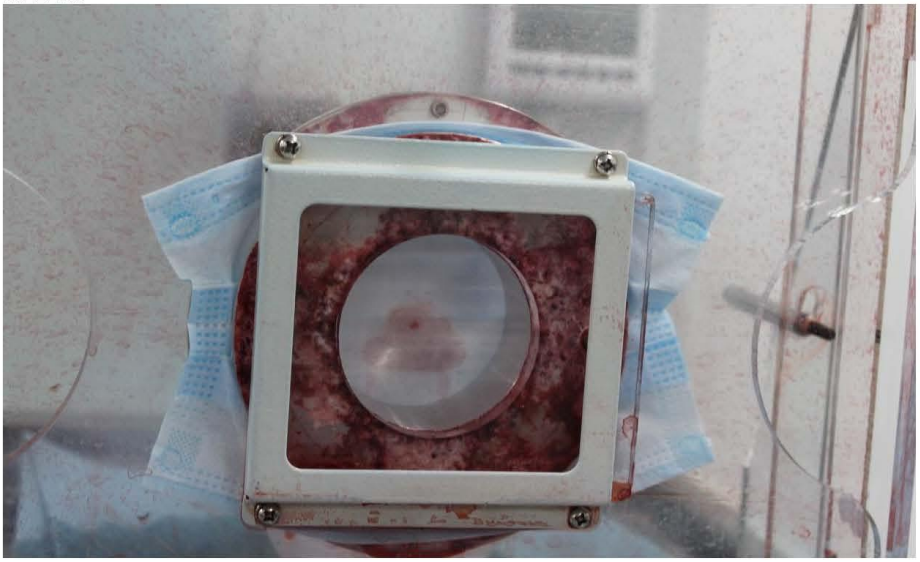

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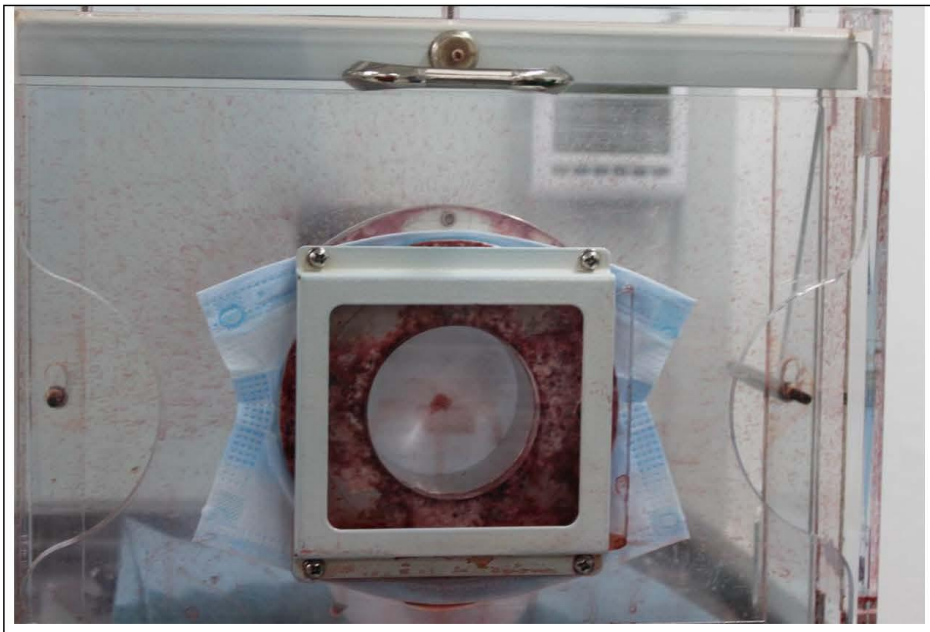

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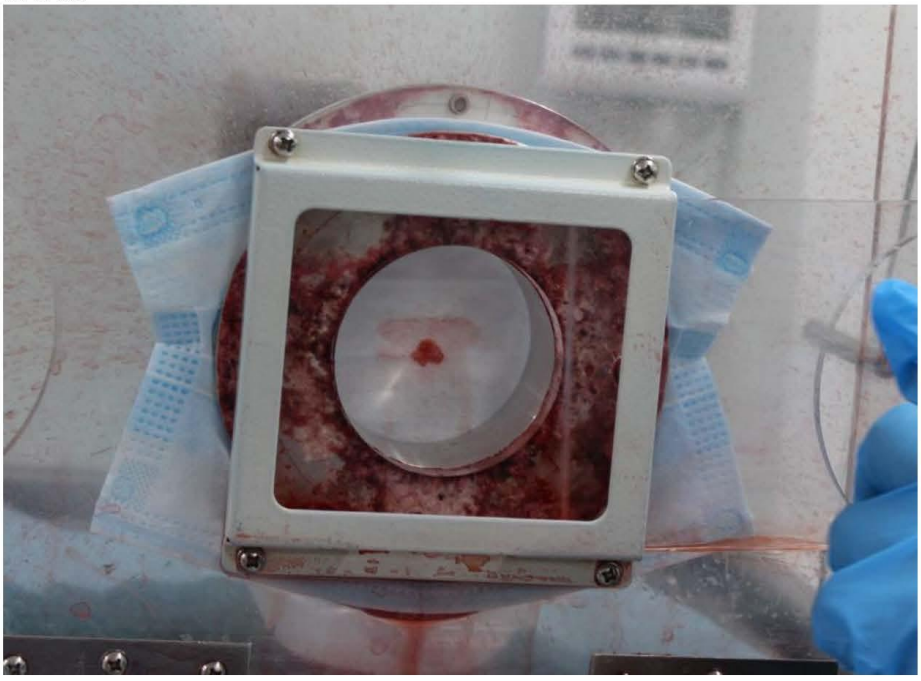

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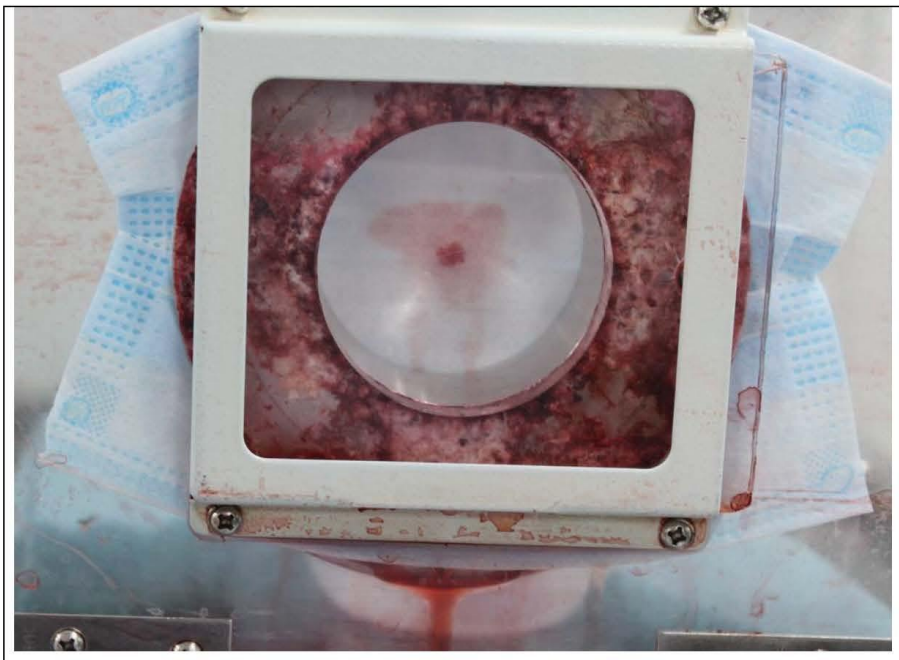

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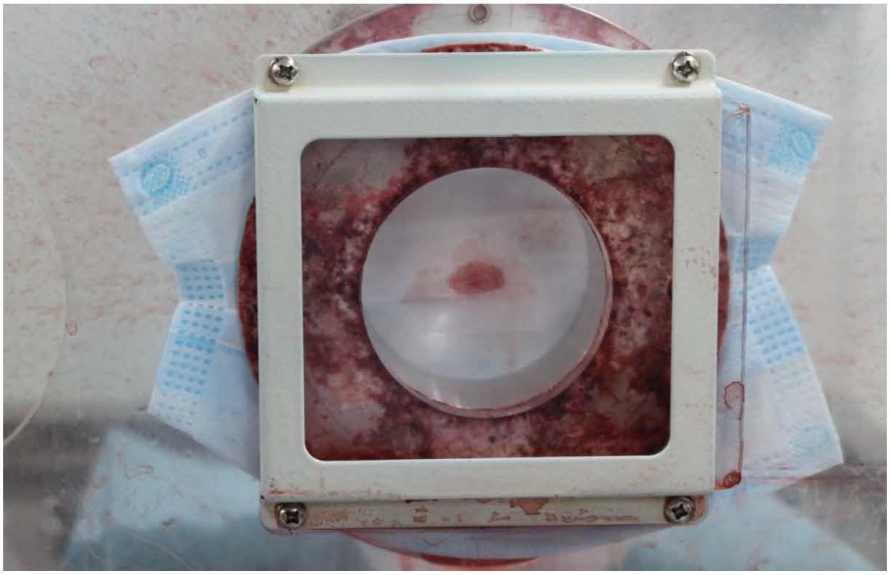

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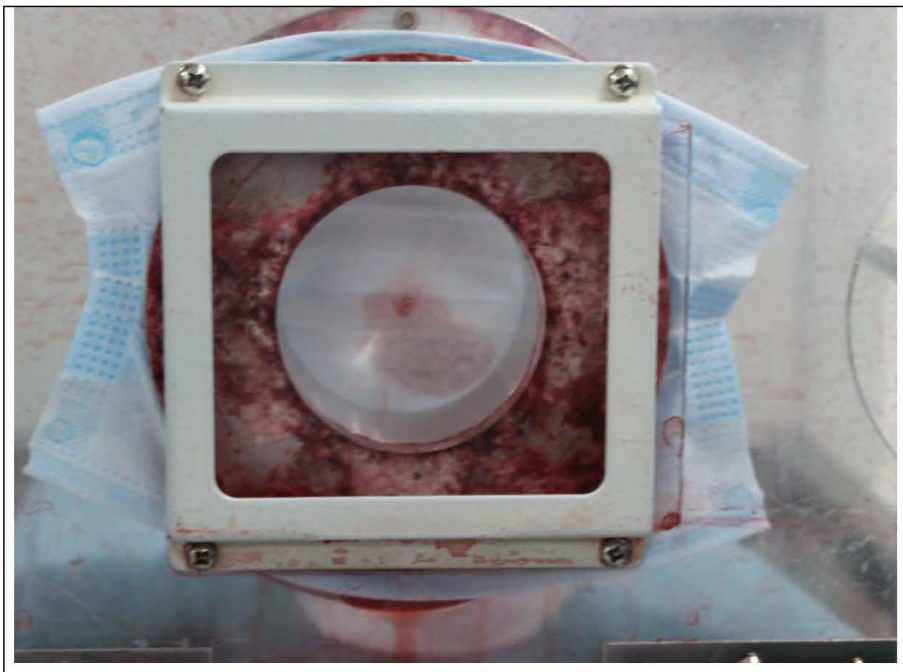

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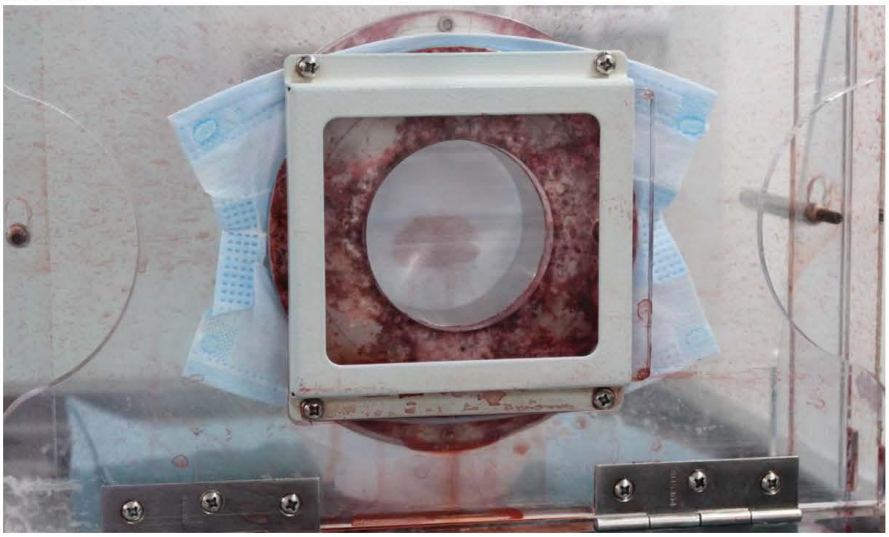

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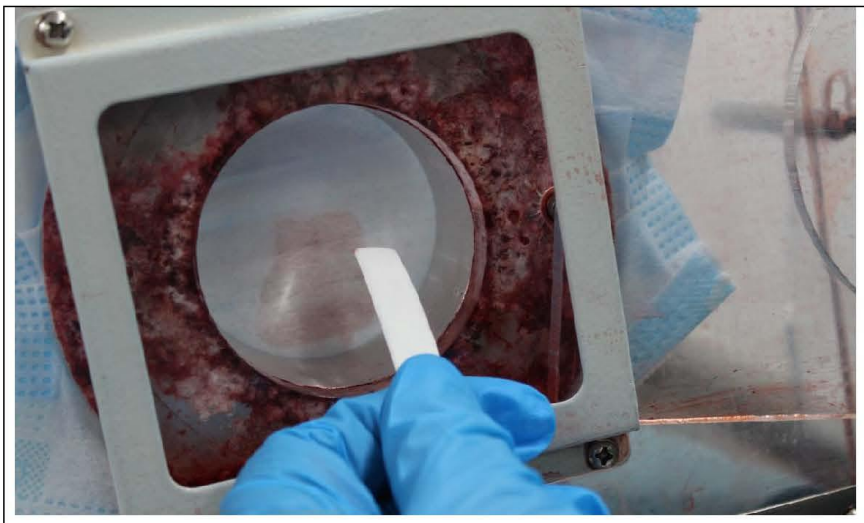

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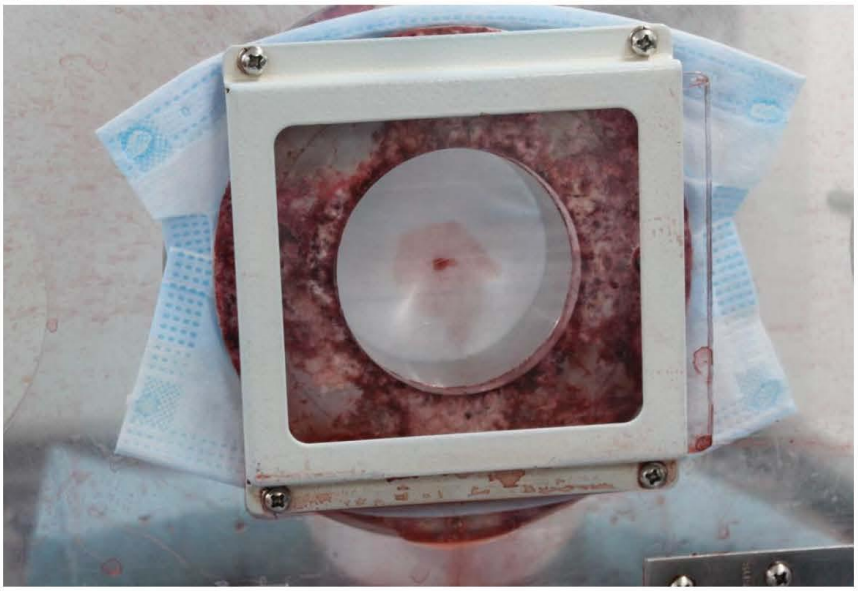

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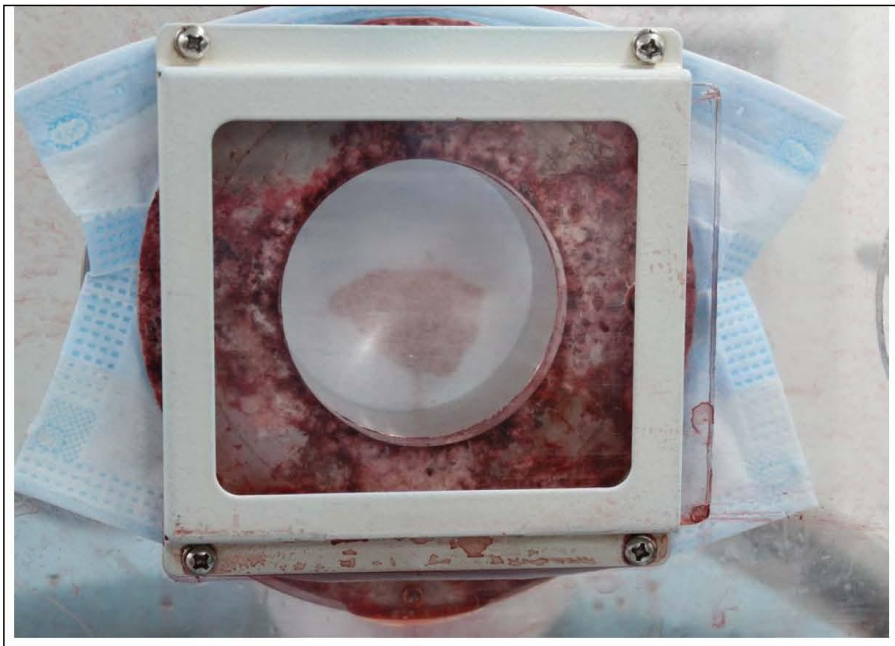

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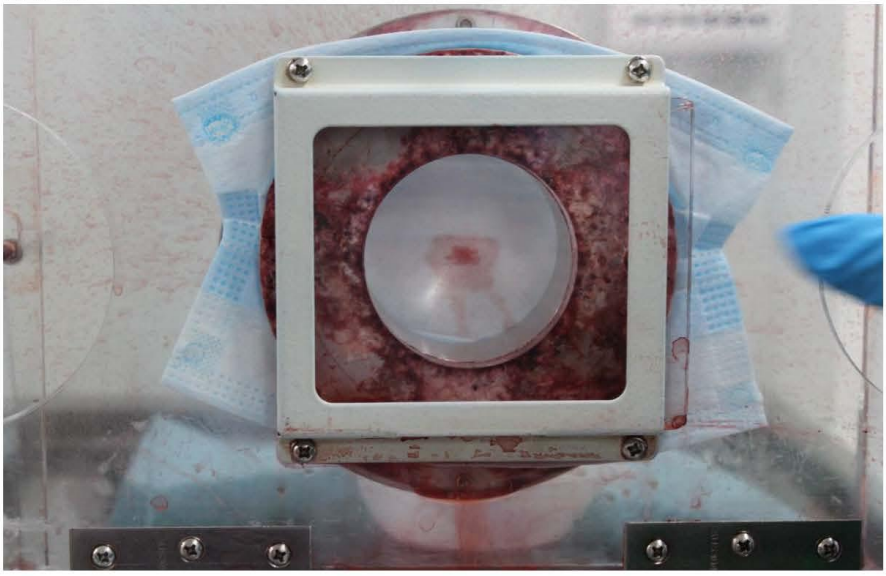

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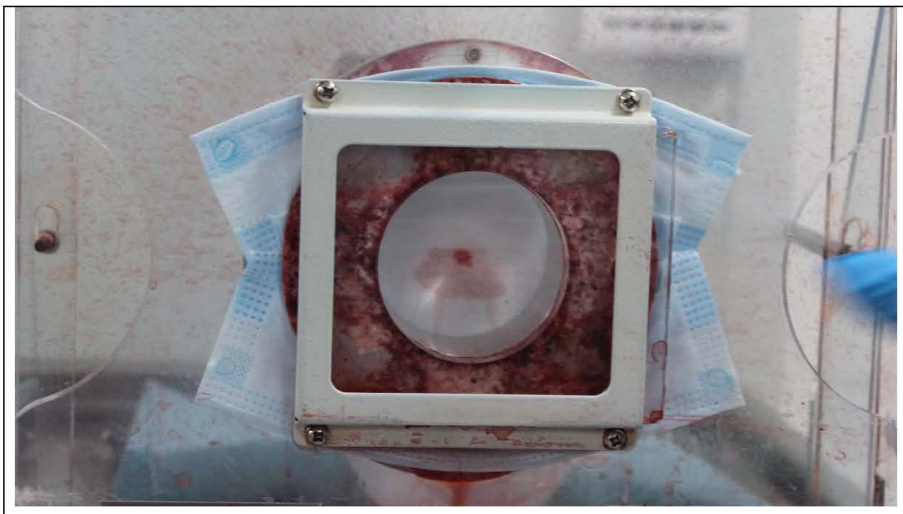

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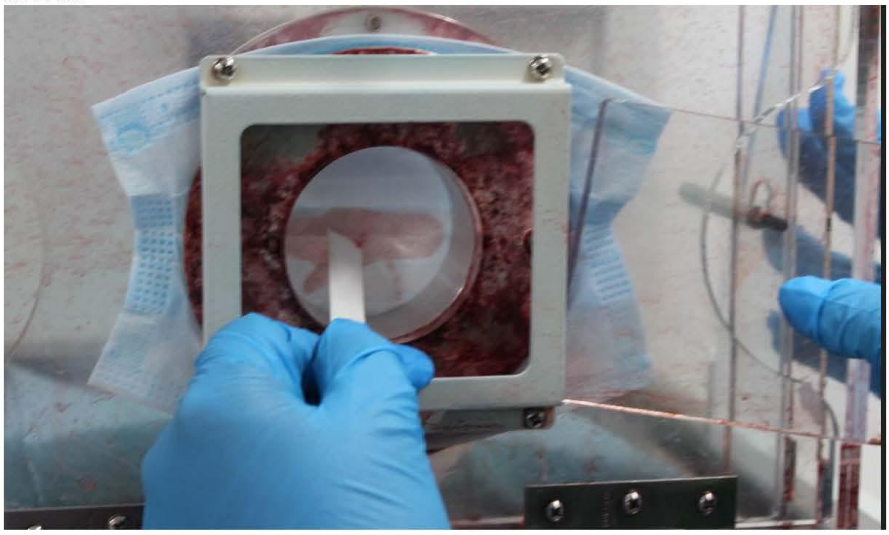

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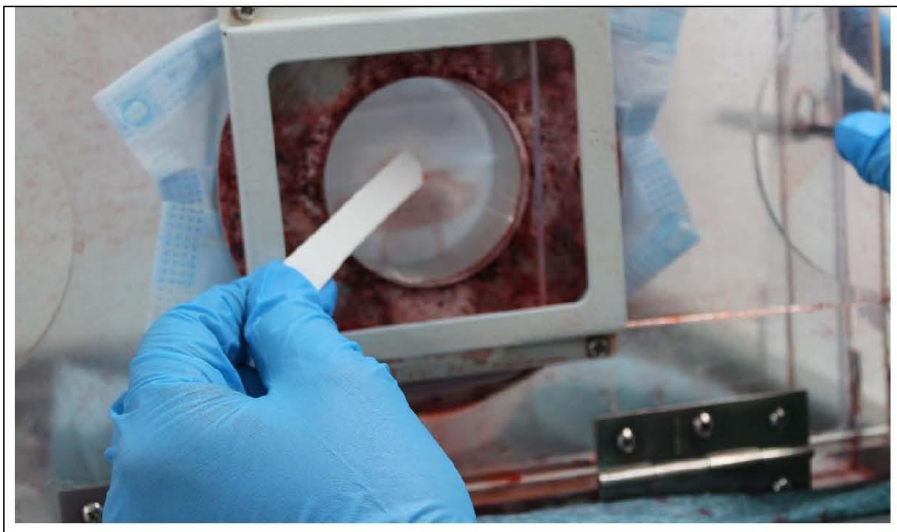

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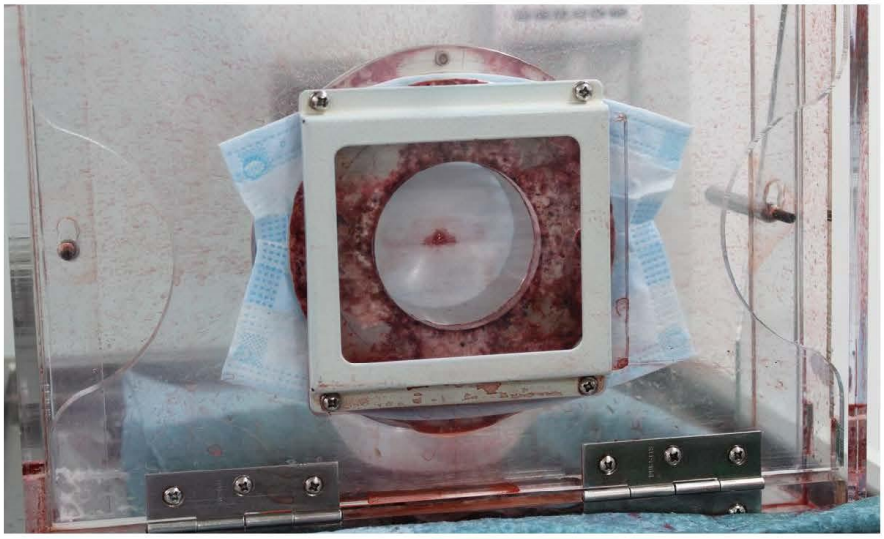

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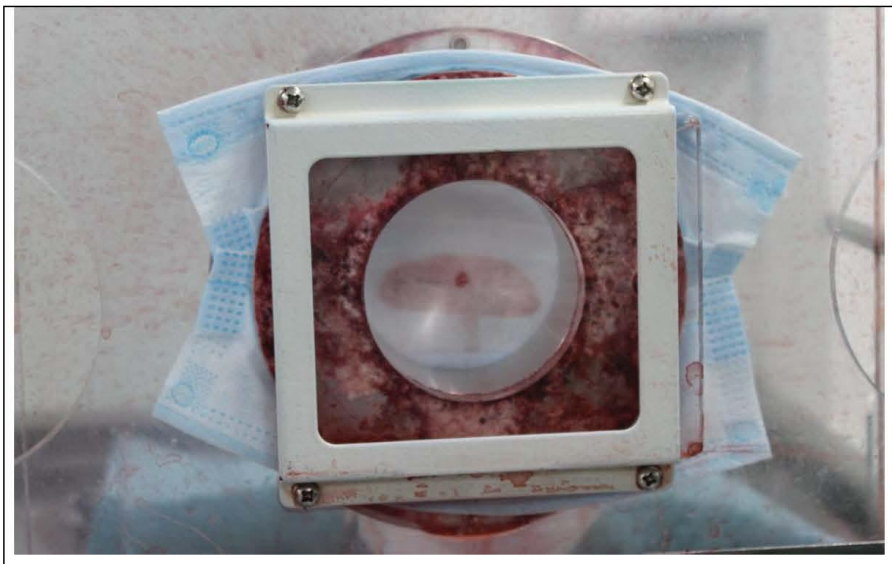

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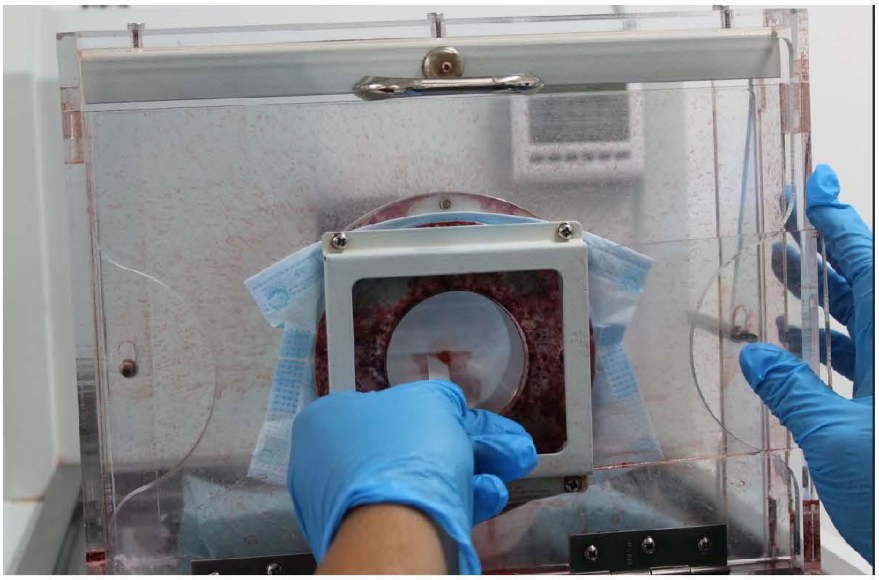

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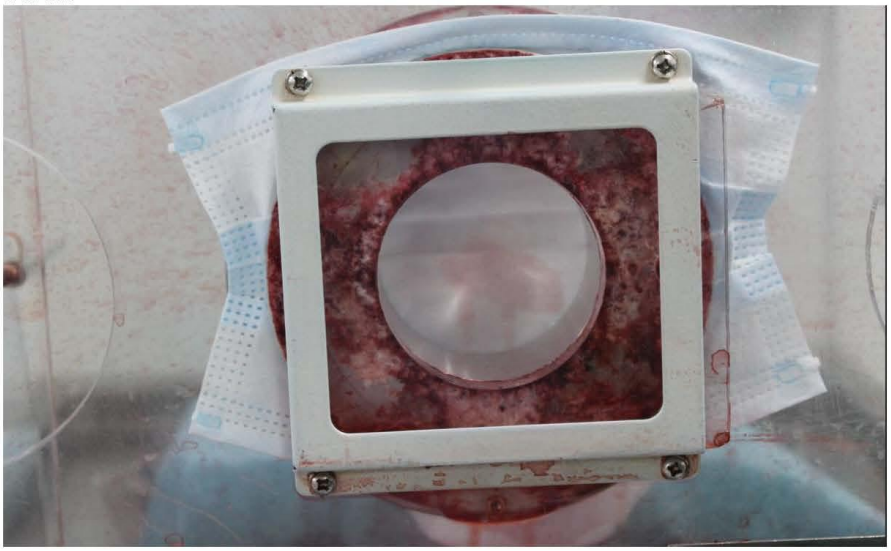

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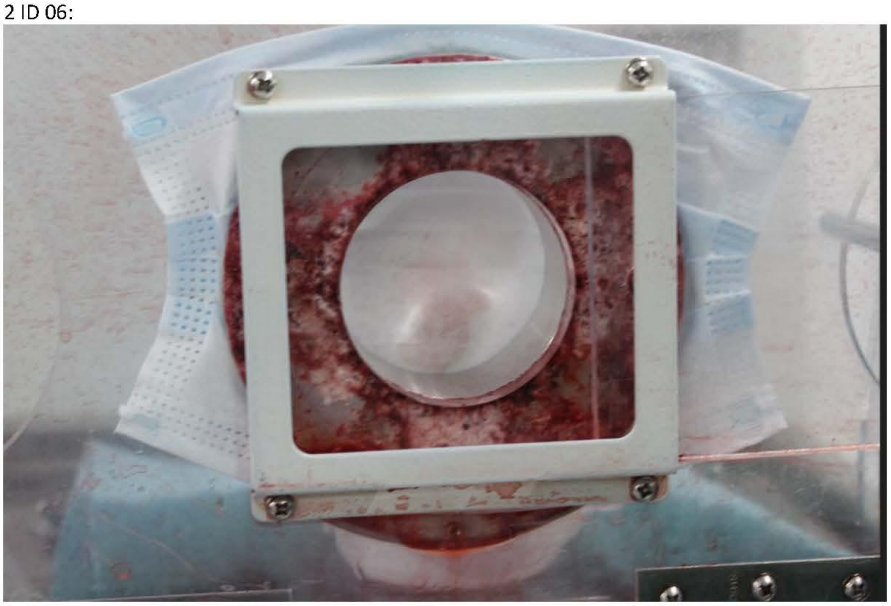

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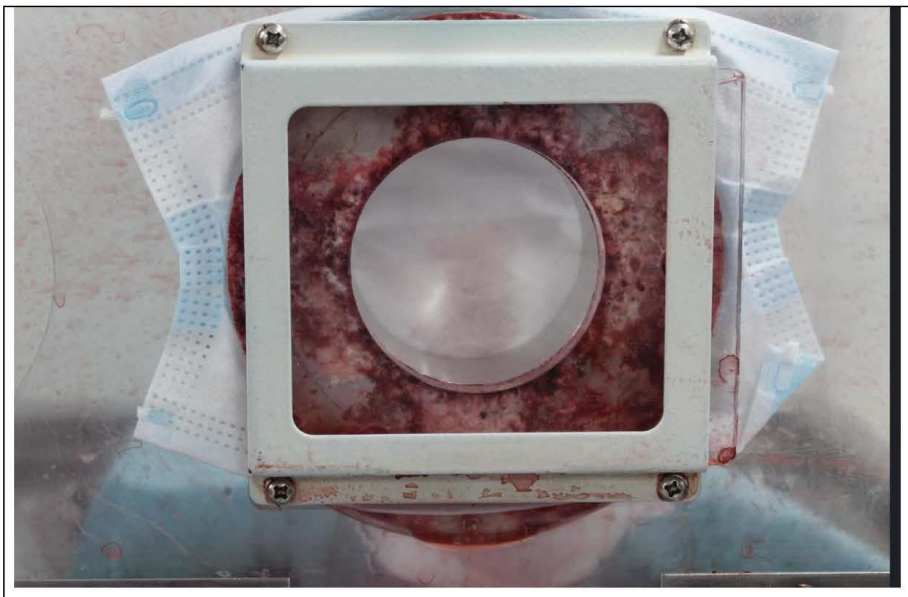

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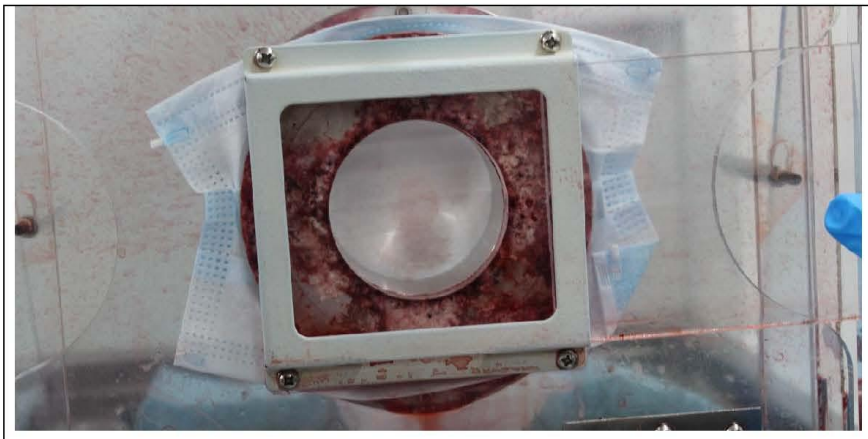

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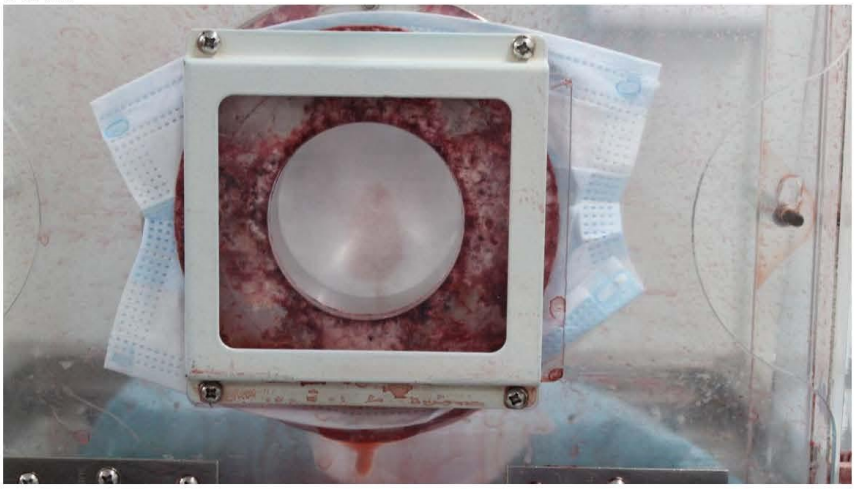

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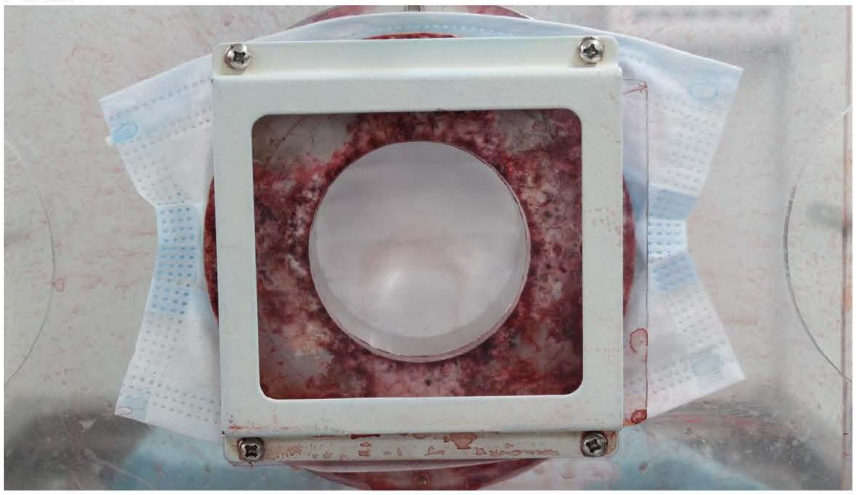

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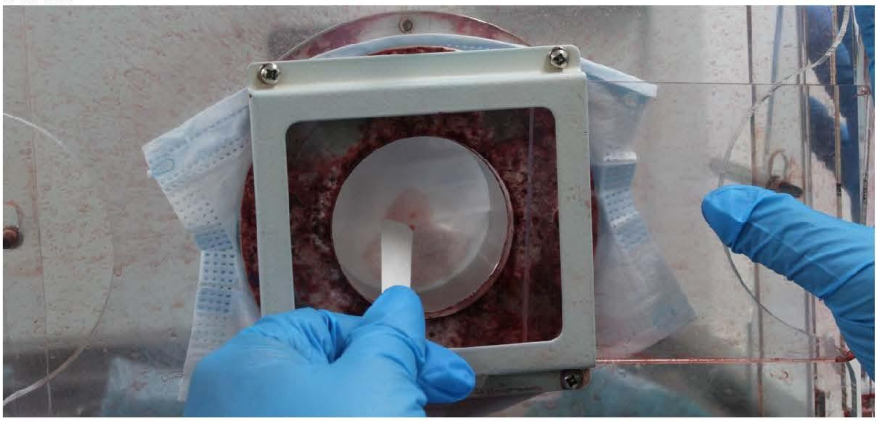

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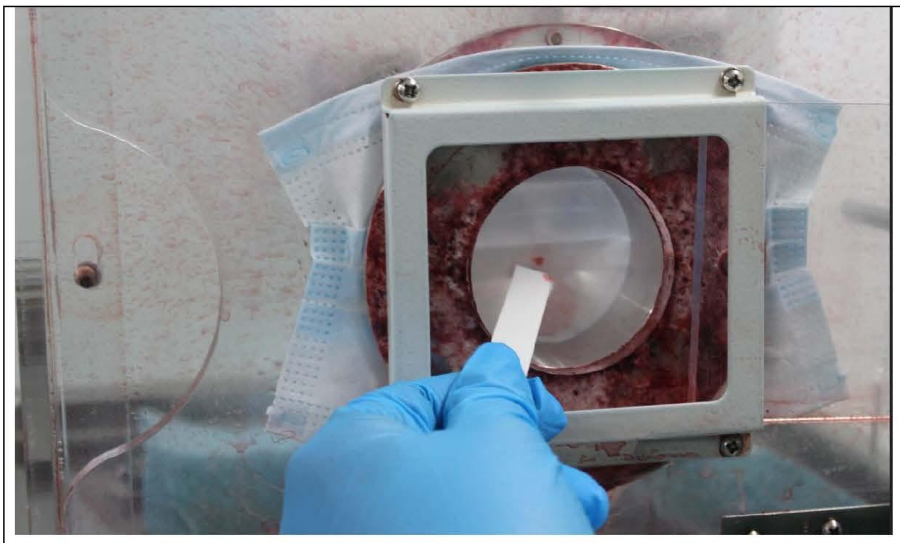

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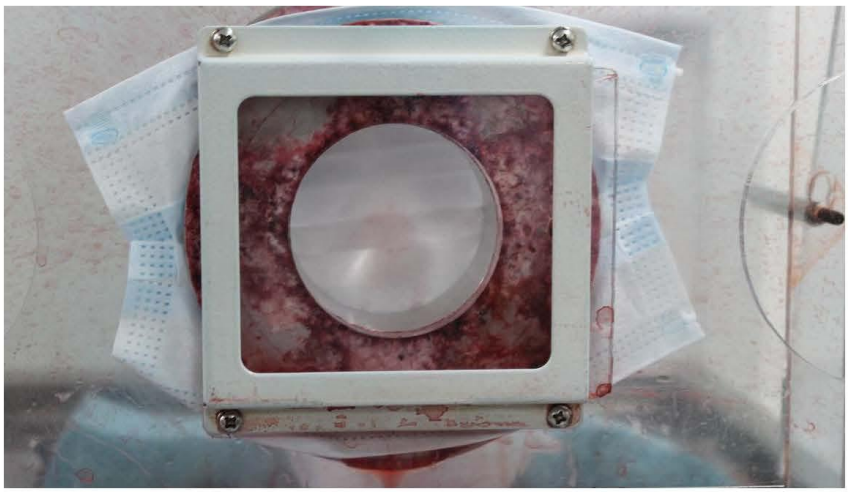

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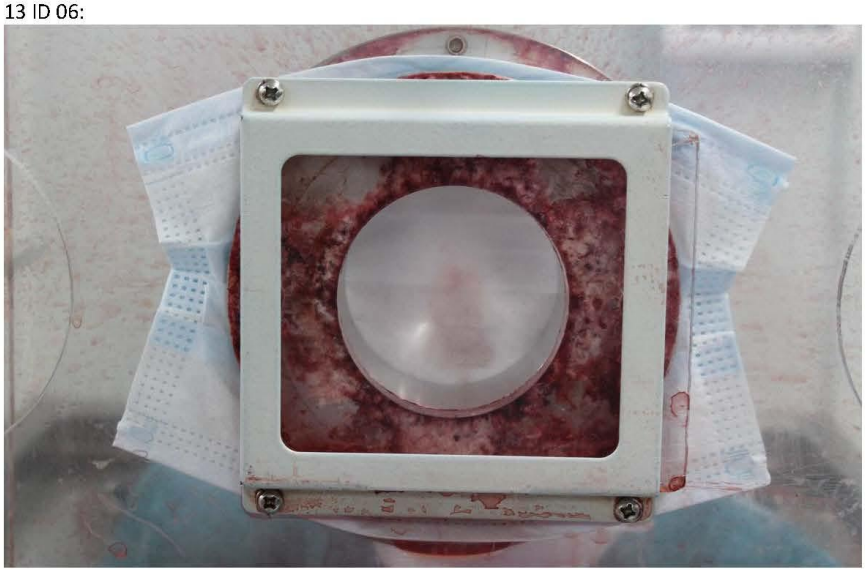
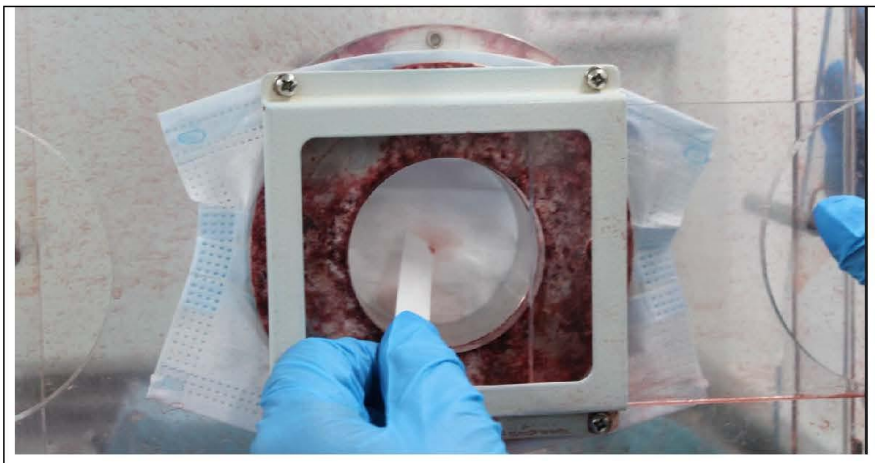


14 ID 06:



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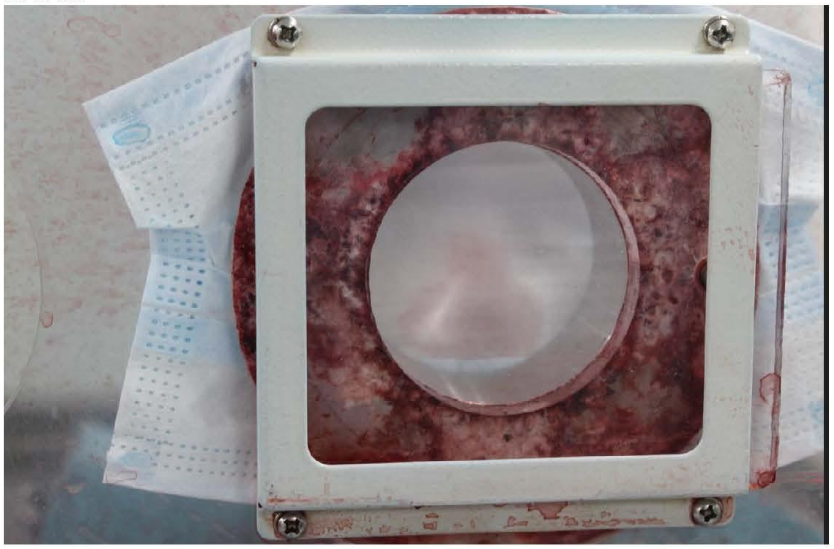

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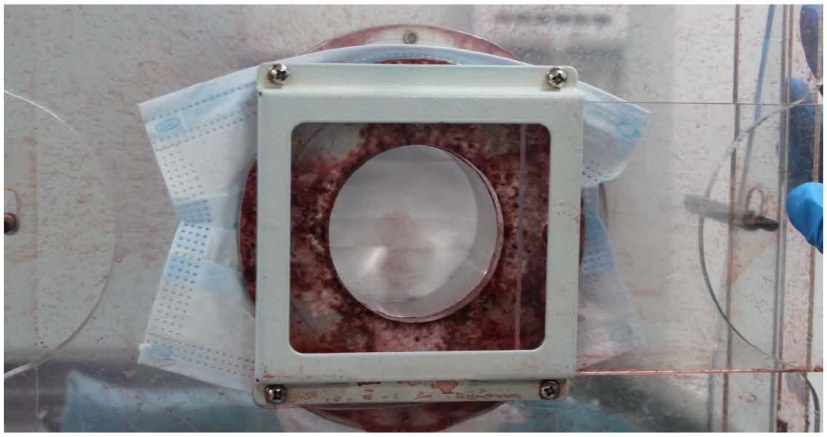
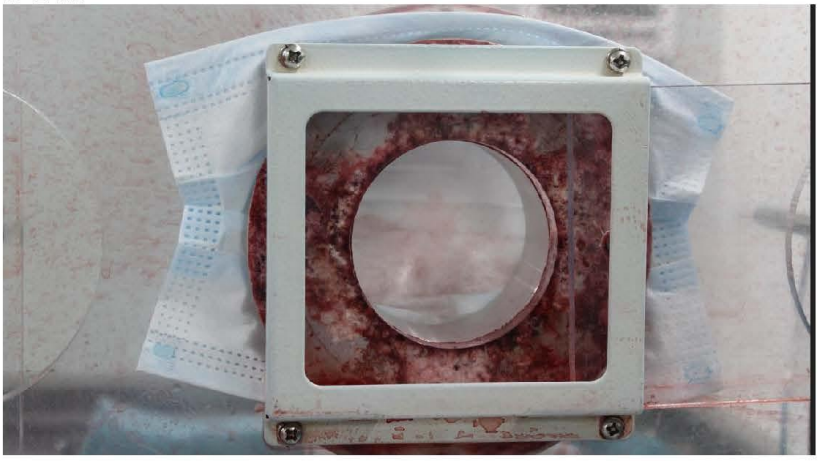
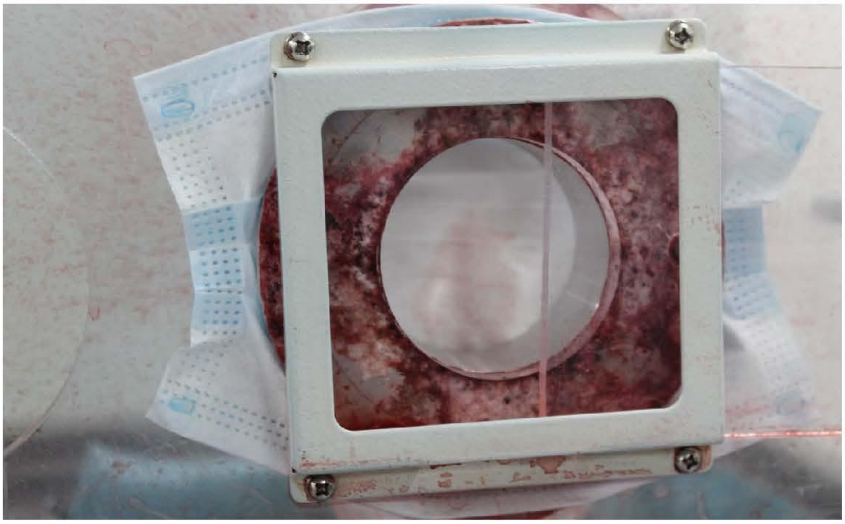


17 ID 06:

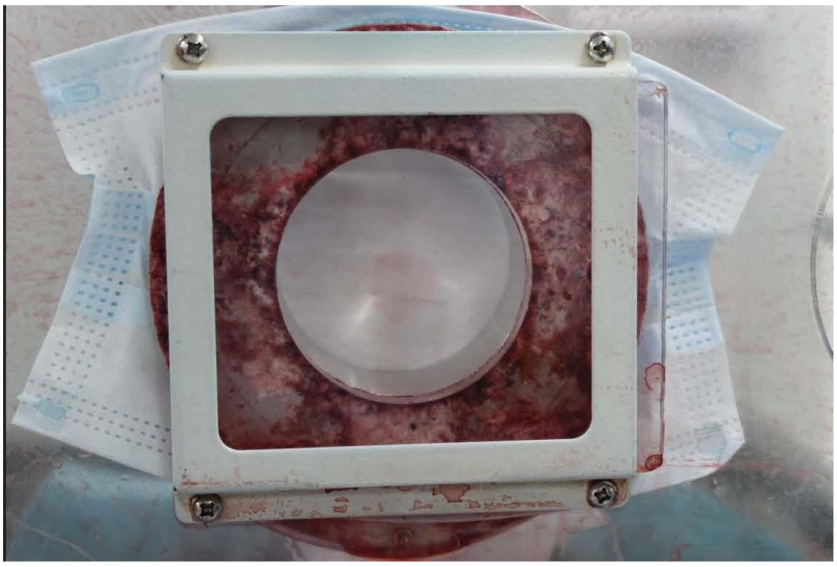


18 ID 06:

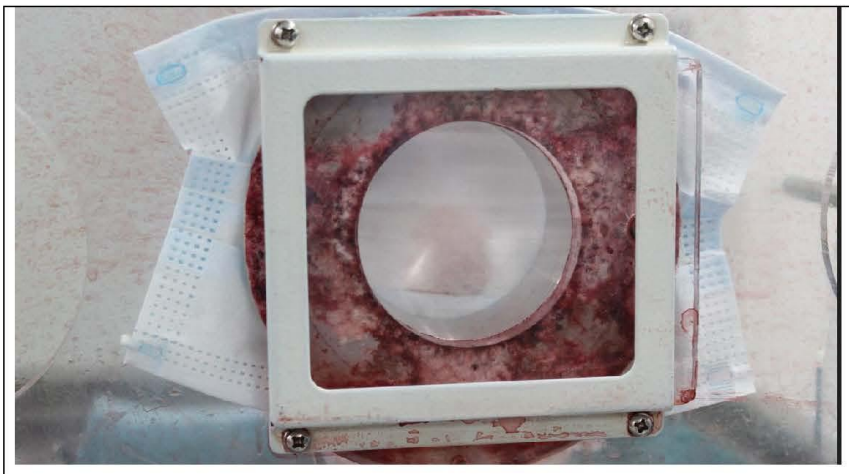


19 ID 06:

20 ID 06:



21 ID 06:



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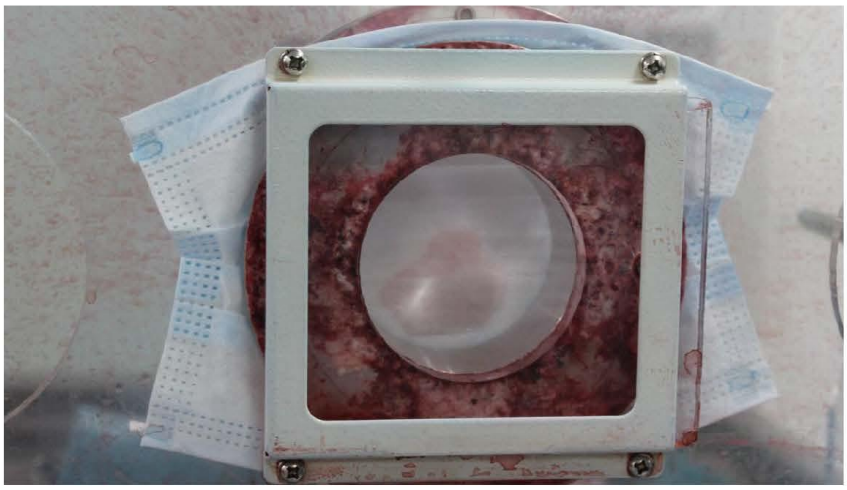

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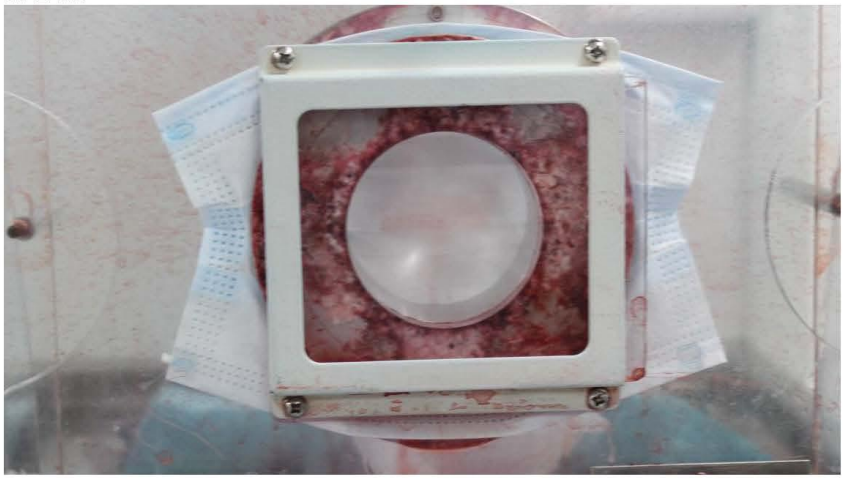

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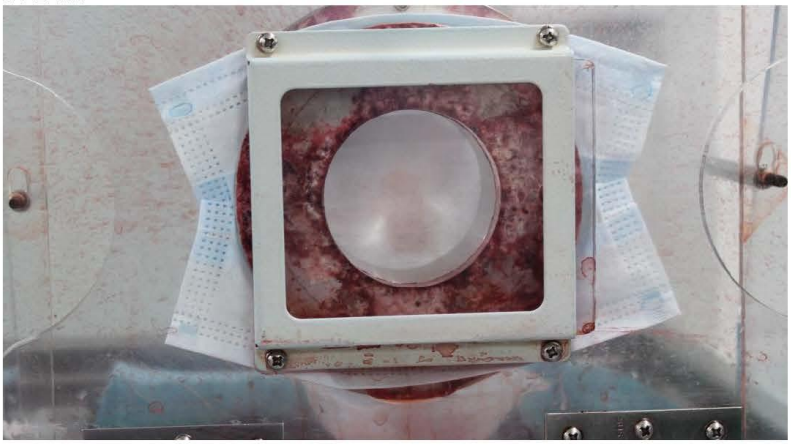

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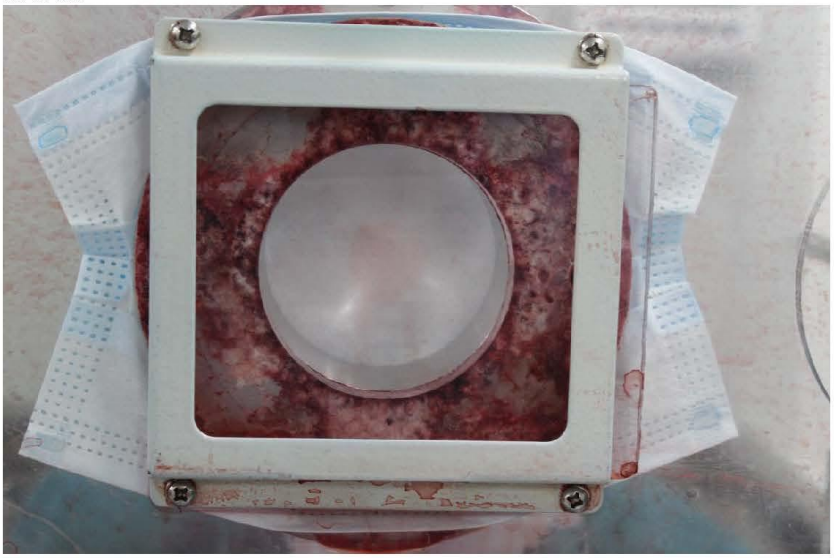
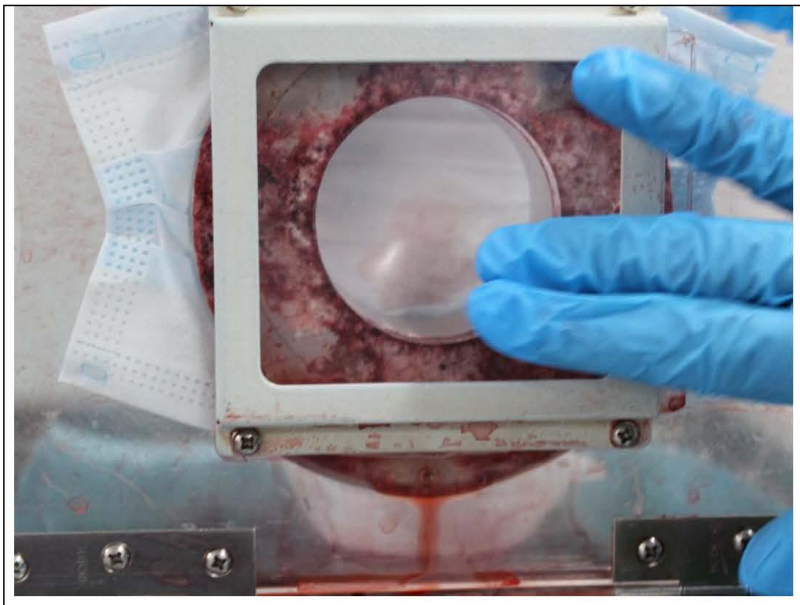
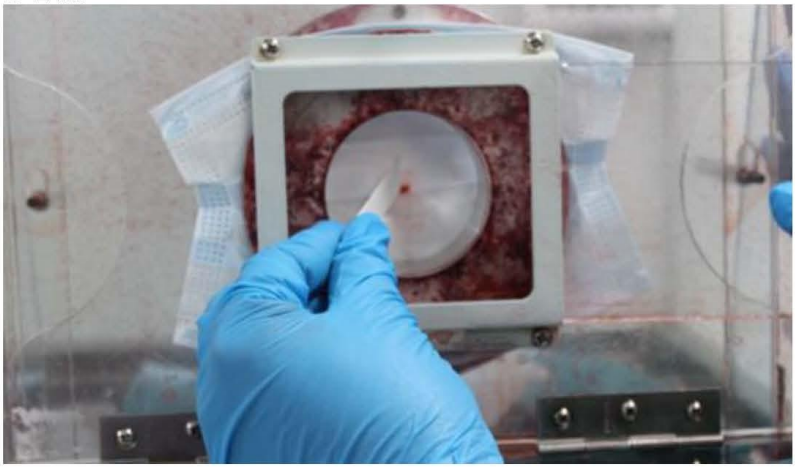


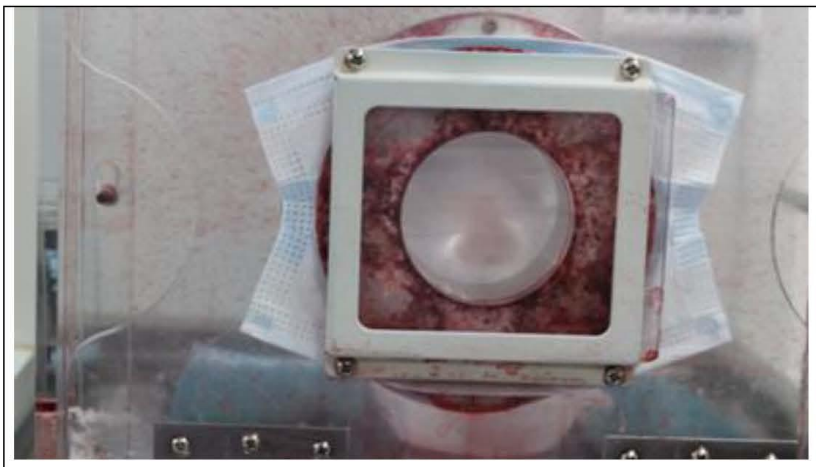
26 ID 06:



27 ID 06:

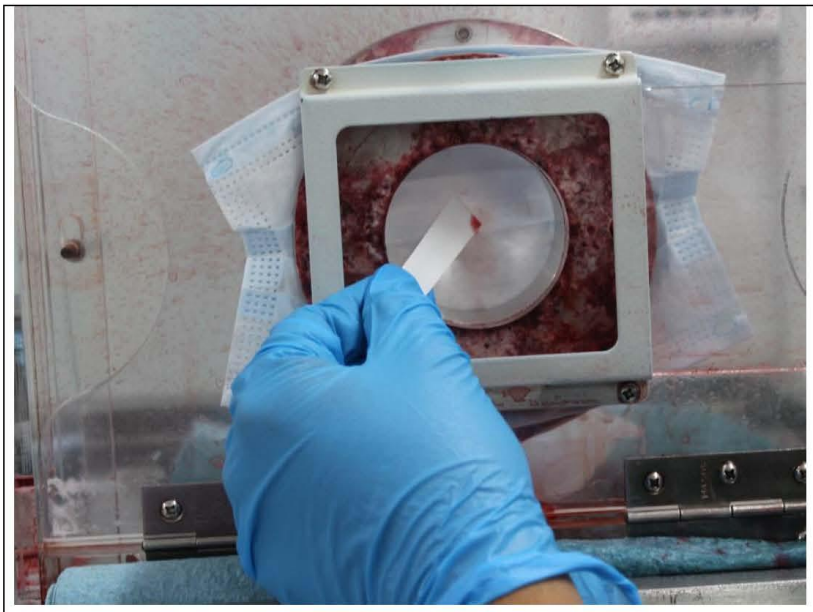


28 ID 06:



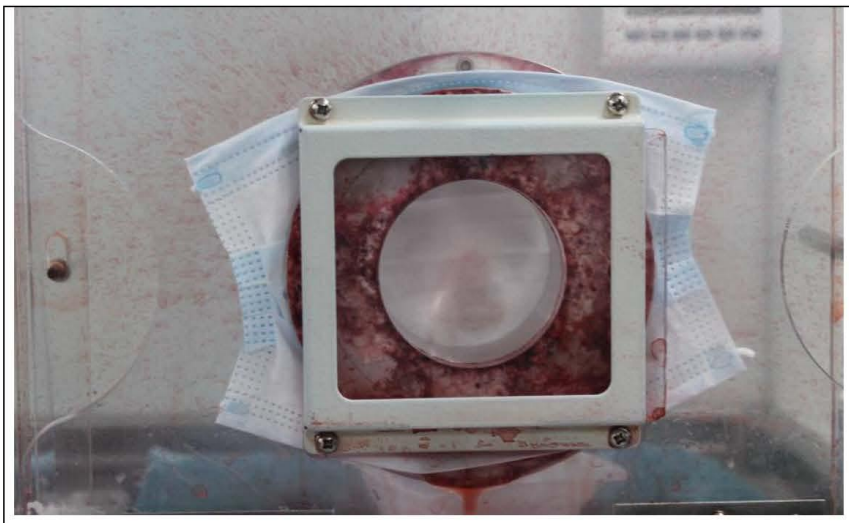
29 ID 06:

30 ID 06:

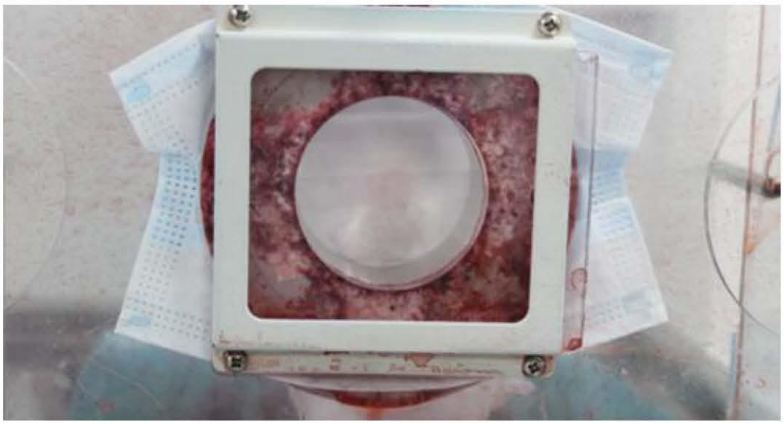


31 ID 06:

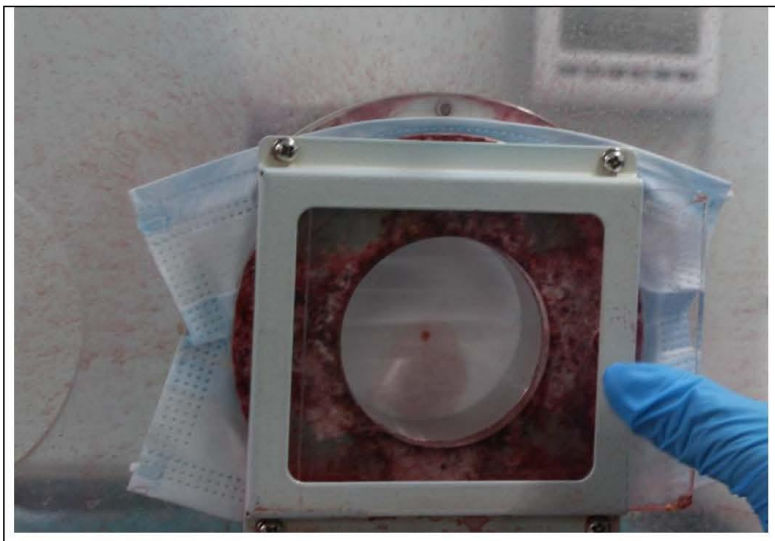
32 ID 06:



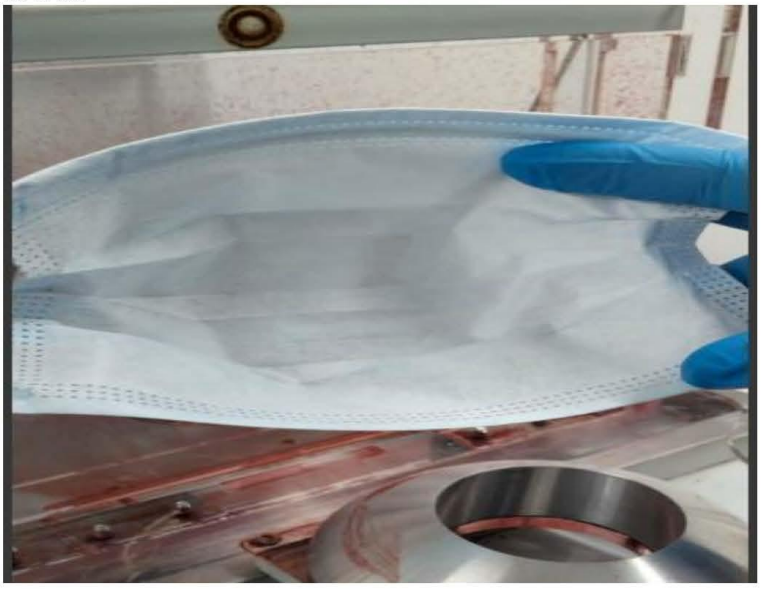
33 ID 06:



34 ID 06:



35 ID 06:



APPENDIX B

PARTICIPANT RESULTS (TR - BATCH LPP3051)

Document Number: FORM-28782 Revision: 3 Effective Date: Jun 20, 2025
Document Title: Laboratorio Datos Splash Test

Fecha / Date:	31-OCTUBRE-2025
Código de Producto / Product Code:	SQ-5053.V1 ID:09
Lote / Lot:	LPP3051
Revision / Review:	0
Nivel Protección / Protection Level:	3
Maquina / Machine:	N/A

Operador / Operator:	CONCEPCION ALAMILLA
Nivel de Inspección / Level Inspection:	N/A
AQL:	N/A
Citerio de aceptacion / Acceptance criterion	N/A
Total de Muestras / Total Samples:	35
Lote y expiracion tinta / Lote and ink expiration:	2509078/30-SEPTIEMBRE-2025

Prueba Método Preparación/Test Preparation Method

Acondicionamiento de Humedad requerido / Humidity Conditioning Required 85±5%:	Temperatura requerida en cabina / Required Chamber temperature 21 ±5°C	Tiempo de condicionamiento Mínimo Requerido / Minimum conditioning time required > 4 horas/hours
85.5	23	Promedio de Horas en Acondicionamiento / Average Hour conditioning: 21.97

Informacion de Equipo /Equipment information

	Numero Control / Number control	Vencimiento de Calibracion / Calibration due
Cabina de acondicionamiento / Conditioning Chamber:	EQP-23027	19 AGOSTO 2026
Maquina Splash / Splash Machine:	EQP-32203	19 AGOSTO 2026
Bascula / Weighing:	EQP-12542	19 AGOSTO 2026

Presion Requerida de Acuerdo al Nivel /Pressure required according to the level (Seleccione uno / choose one):

Nivel /Level 3	☑	160 mmHg	Nivel /Level 2	N/A	120 mmHg	Nivel /Level 1	N/A	80 mmHg

Total de muestras / Total of samples	35	Pasa / Pass	8	Falla / Fail	27

Notas/Notes:
LOTE ACEPTADO

Verificar todo lo aplicable / Check everything applicable	
X	Todas las muestras fueron realizadas en el primer minuto despues de removerlo de las condiciones controladas de acuedo a ASTM F1862 sec. 10.1 / All samples were made in the first minute after removing it from the controlled conditions according to ASTM F1862 sec. 10.1.
N/A	Area objetivo: en el area de sellado (PCM: donde se une el pico de pato), de acuerdo al ASTM F1862 section 9.1.1 and 9.1.2 / Target area: in the sealing area (PCM: where the duckbill meets), according to ASTM F1862 section 9.1.1 and 9.1.2.
X	Distancia desde la punta de la canula hasta el objetivo de disparo debe ser 12 pulgadas, de acuerdo con ASTM F1862 section 13.2.4 / Distance from the tip of the cannula to the shooting target should be 12 inches, in accordance with ASTM F1862 section 13.2.4.
X	Uso de algodon absorbente puede ser usado para la confirmacion de falla , de acuerdo a ASTM F1862 section 12.4.1 / Use of absorbent cotton may be used for failure confirmation, according to ASTM F1862 section 12.4.1.

Nombre y Sello de Op. Lab / Name & Stamp Op. Lab:	CONCEPCION ALAMILLA (Q.A. ACC #59)	Fecha / Date:	31-OCTUBRE-2025
Nombre y Sello Aprobador / Name & Stamp Approver:	Erika Monarrez Zarate	Fecha / Date:	31-OCTUBRE-2025

Document Number: FORM-28782 **Revision:** 3 **Effective Date:** Jun 20, 2025
Document Title: Laboratorio Datos Splash Test

Tiempo de condicionamiento Mínimo Requerido/Minimum conditioning time required > 4 horas/hours							Resultado de la Prueba/Testing Results			
# Muestra/Sample	Entrada/Entrance:	Salida/Exit:	Horas condicionadas / Conditioning hours:	Numero de caja / Number Box:	Pass=P Fail=F Pasa=P Falla=F	Body=B Seam=S Cuerpo=B Sellado=S	2 ml Revision/Review (g)	Tiempo de disparo / Shooting Time (seg)	Realizado por / Made by:	Fecha /Date:
1		2:53 PM	21.71		P	B	2.01	0.57		
2		2:54 PM	21.73		P	B				
3		2:55 PM	21.75		F	B				
4		2:56 PM	21.76		F	B				
5		2:57 PM	21.78		F	B				
6		2:58 PM	21.80		F	B				
7		2:59 PM	21.81		P	B				
8		3:00 PM	21.83		P	B				
9		3:01 PM	21.85		F	B				
10		3:02 PM	21.86		P	B				
11		3:03 PM	21.88		F	B				
12		3:04 PM	21.90		F	B				
13		3:05 PM	21.91		F	B				
14		3:06 PM	21.93		F	B				
15		3:07 PM	21.95		F	B				
16		3:08 PM	21.96		F	B	2.02	0.57		
17	5:10:00 PM	3:09 PM	21.98		P	B				
18	30-Oct-	3:10 PM	22.00	ID-09	F	B			Concepcion Alamilla	31-Octubre-2025
19	2025	3:11 PM	22.01		F	B				
20		3:12 PM	22.03		F	B				
21		3:13 PM	22.05		F	B				
22		3:14 PM	22.06		F	B				
23		3:15 PM	22.08		F	B				
24		3:16 PM	22.10		F	B				
25		3:17 PM	22.11		P	B				
26		3:18 PM	22.13		F	B				
27		3:19 PM	22.15		F	B				
28		3:20 PM	22.16		P	B				
29		3:21 PM	22.18		F	B				
30		3:22 PM	22.20		F	B				
31		3:23 PM	22.01		F	B				
32		3:24 PM	22.03		F	B	2.04	0.57		
33		3:25 PM	22.05		F	B				
34		3:26 PM	22.06		F	B				
35		3:27 PM	22.08		F	B				
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Document Number: FORM-28782 **Revision:** 3 **Effective Date:** Jun 20, 2025
Document Title: Laboratorio Datos Splash Test

Calibracion antes del Orificio / Calibration difference before the Orifice

	0.5 seg. (g)	1.5 seg (g)	Difference b/t 0.5s & 1.5s (g)
1	1.86	5.41	3.55
2	1.84	5.41	3.57
3	1.87	5.36	3.49
Average	1.86	5.39	3.54

Calibracion despues del Orificio / Calibration difference after the Orifice

Sample(s)	0.5 sec Sprut (g)	1.5 sec Sprut (g)	Difference b/t 0.5s & 1.5s (g)	% Difference
1	1.76	5.17	3.41	96%
2	1.79	5.16	3.37	94%
3	1.76	5.19	3.43	98%
Average	1.77	5.17	3.40	96.2%

Diferencia calibracion antes del Orificio / Direrencia calibracion despues del Orificio / Calibration difference before the Orifice / Calibration difference after the Orifice
Si el porcentaje de la diferencia esta entre 95 % y 102%, proceda a establecer el tiempo / If the percentage of the difference is between 95% and 102%, proceed to set the time.
Si la diferencia NO esta dentro de este rango, vuelva a realizar el proceso de calibracion / If the difference is NOT within this range, perform the calibration process again.

96.2%

Calibración del temporizador de válvula (detrás de la placa) / Valve Timer Calibration (Behind Plate)

#	splash gr.	
1	2.01	Ajuste el tiempo hasta que 2 g de liquido de prueba pasen a través del Orificio en tres ocaciones / Adjust the time until 2 g of test liquid passes through the Orifice on three occasions.
2	2.02	Registre el tiempo de duracion para obtener los dos 2 g / Record the duration time to obtain the two 2 g
3	2	El peso debe estar entre el rango de 2.01 ± 0.04g por cada disparo individual / The weight should be within the range of 2.01 ± 0.04g for each individual shot.

Temporizador de válvula (seg.) para Sprut de 2 ml / Valve Timer (sec) for 2mL Sprut	0.57

16 Verificación de calibración de muestras (detrás de la placa) Entrega de 2 ml / 16 Speciment Calibration Check (Behind Plate) 2 mL Delivery

Check	Sprut (g)	Comments (Pass/Fail)	Check	Sprut (g)	Comments (Pass/Fail)
1	2.01	pass	11		
2	2.02	pass	12		
3	2.04	pass	13		
4			14		
5			15		
6			16		
7			17		
8			18		
9			19		
10			20		

Lab. Condiciones / Conditioning Lab.	Inicio de pruebas / start of testing	Termino de pruebas / finished testing	Comentario / Comments
Temp (°C)	22.5	23	
Humedad (%RH)	41.6	42.6	

Nombre y Sello de Op. Lab / Name & Stamp Op. Lab: CONCEPCION ALAMILLA **Fecha / Date:** 31-OCTUBRE-2025

Nombre y Sello Aprobador / Name & Stamp Approver: Erika Monarrez Covarrubias **Fecha / Date:** 31-OCTUBRE-2025

APPENDIX C

PARTICIPANT RESULTS (TR - BATCH LPP3068)

Document Number: FORM-28782 Revision: 3 Effective Date: Jun 20, 2025
Document Title: Laboratorio Datos Splash Test

Fecha / Date:	31-OCTUBRE-2025
Código de Producto / Product Code:	SQ-5053.V1 ID:06
Lote / Lot:	LPP3068
Revision / Review:	0
Nivel Protección / Protection Level:	3
Maquina / Machine:	N/A

Operador / Operator:	CONCEPCION ALAMILLA
Nivel de Inspección / Level Inspection:	N/A
AQL:	N/A
Citerio de aceptacion / Acceptance criterion	N/A
Total de Muestras / Total Samples:	35
Lote y expiracion tinta / Lote and ink expiration:	2509078/30-SEPTIEMBRE-2025

Prueba Método Preparación/Test Preparation Method

Acondicionamiento de Humedad requerido / Humidity Conditioning Required 85±5%:	Temperatura requerida en cabina / Required Chamber temperature 21 ±5°C	Tiempo de condicionamiento Mínimo Requerido / Minimum conditioning time required > 4 horas/hours
85.7	23	Promedio de Horas en Acondicionamiento / Average Hour conditioning: 22.78

Informacion de Equipo /Equipment information

	Numero Control / Number control	Vencimiento de Calibracion / Calibration due
Cabina de acondicionamiento / Conditioning Chamber:	EQP-23027	19 AGOSTO 2026
Maquina Splash / Splash Machine:	EQP-32203	19 AGOSTO 2026
Bascula / Weighing:	EQP-12542	19 AGOSTO 2026

Presion Requerida de Acuerdo al Nivel /Pressure required according to the level (Seleccione uno / choose one):

Nivel /Level 3	☑	160 mmHg	Nivel /Level 2		120 mmHg	Nivel /Level 1		80 mmHg

Total de muestras / Total of samples	35	Pasa / Pass	29	Falla / Fail	6

Notas/Notes:
LOTE ACEPTADO

	Verificar todo lo aplicable / Check everything applicable
X	Todas las muestras fueron realizadas en el primer minuto despues de removerlo de las condiciones controladas de acuedo a ASTM F1862 sec. 10.1 / All samples were made in the first minute after removing it from the controlled conditions according to ASTM F1862 sec. 10.1.
N/A	Area objetivo: en el area de sellado (PCM: donde se une el pico de pato), de acuerdo al ASTM F1862 section 9.1.1 and 9.1.2 / Target area: in the sealing area (PCM: where the duckbill meets), according to ASTM F1862 section 9.1.1 and 9.1.2.
X	Distancia desde la punta de la canula hasta el objetivo de disparo debe ser 12 pulgadas, de acuerdo con ASTM F1862 section 13.2.4 / Distance from the tip of the cannula to the shooting target should be 12 inches, in accordance with ASTM F1862 section 13.2.4.
X	Uso de algodon absorbente puede ser usado para la confirmacion de falla , de acuerdo a ASTM F1862 section 12.4.1 / Use of absorbent cotton may be used for failure confirmation, according to ASTM F1862 section 12.4.1.

Nombre y Sello de Op. Lab / Name & Stamp Op. Lab:	CONCEPCION ALAMILLA	Fecha / Date:	31-OCTUBRE-2025
Nombre y Sello Aprobador / Name & Stamp Approver:	Erika Monarrez Lovale	Fecha / Date:	31-OCTUBRE-2025

Document Number: FORM-28782 **Revision:** 3 **Effective Date:** Jun 20, 2025
Document Title: Laboratorio Datos Splash Test

Tiempo de condicionamiento Mínimo Requerido/Minimum conditioning time required > 4 horas/hours							Resultado de la Prueba/Testing Results			
# Muestra/Sample	Entrada/Entrance:	Salida/Exit:	Horas condicionadas / Conditioning hours:	Numero de caja / Number Box:	Pass=P Fail=F Pasa=P Falla=F	Body=B Seam=S Cuerpo=B Sellado=S	2 ml Revision/Review (g)	Tiempo de disparo / Shooting Time (seg)	Realizado por / Made by:	Fecha /Date:
1		3:40 PM	22.5		P	B	2.01	0.57		
2		3:41 PM	22.51		P	B				
3		3:42 PM	22.53		P	B				
4		3:43 PM	22.55		P	B				
5		3:44 PM	22.56		P	B				
6		3:45 PM	22.58		P	B				
7		3:46 PM	22.60		P	B				
8		3:47 PM	22.61		F	B				
9		3:48 PM	22.63		P	B				
10		3:49 PM	22.65		F	B				
11		3:50 PM	22.66		P	B				
12		3:51 PM	22.68		P	B				
13		3:52 PM	22.70		P	B				
14		3:53 PM	22.71		F	B				
15		3:54 PM	22.73		P	B				
16		3:55 PM	22.75		P	B	2.04	0.57		
17	5:10:00 PM	3:56 PM	22.76		P	B				
18	30-Oct-2025	3:57 PM	22.78	ID-06	P	B			Concepcion Alamilla	31-Octubre-2025
19		3:58 PM	22.80		P	B				
20		3:59 PM	22.81		P	B				
21		4:00 PM	22.83		P	B				
22		4:01 PM	22.85		P	B				
23		4:02 PM	22.86		P	B				
24		4:03 PM	22.88		P	B				
25		4:04 PM	22.90		P	B				
26		4:05 PM	22.91		P	B				
27		4:06 PM	22.93		F	B				
28		4:07 PM	22.95		P	B				
29		4:08 PM	22.96		P	B				
30		4:09 PM	22.98		F	B				
31		4:10 PM	23.00		P	B				
32		4:11 PM	23.01		P	B	2.03	0.57		
33		4:12 PM	23.03		P	B				
34		4:13 PM	23.05		F	B				
35		4:14 PM	23.06		P	B				
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Document Number: FORM-28782 **Revision:** 3 **Effective Date:** Jun 20, 2025
Document Title: Laboratorio Datos Splash Test

Calibracion antes del Orificio / Calibration difference before the Orifice

	0.5 seg. (g)	1.5 seg (g)	Difference b/t 0.5s & 1.5s (g)
1	1.86	5.41	3.55
2	1.84	5.41	3.57
3	1.87	5.36	3.49
Average	1.86	5.39	3.54

Calibracion despues del Orificio / Calibration difference after the Orifice

Sample(s)	0.5 sec Sprut (g)	1.5 sec Sprut (g)	Difference b/t 0.5s & 1.5s (g)	% Difference
1	1.76	5.17	3.41	96%
2	1.79	5.16	3.37	94%
3	1.76	5.19	3.43	98%
Average	1.77	5.17	3.40	96.2%

Diferencia calibracion antes del Orificio / Direrencia calibracion despues del Orificio / Calibration difference before the Orifice / Calibration difference after the Orifice
Si el porcentaje de la diferencia esta entre 95 % y 102%, proceda a establecer el tiempo / If the percentage of the difference is between 95% and 102%, proceed to set the time.
Si la diferencia NO esta dentro de este rango, vuelva a realizar el proceso de calibracion / If the difference is NOT within this range, perform the calibration process again.

96.2%

Calibración del temporizador de válvula (detrás de la placa) / Valve Timer Calibration (Behind Plate)

#	splash gr.	
1	2.01	Ajuste el tiempo hasta que 2 g de líquido de prueba pasen a través del Orificio en tres ocaciones / Adjust the time until 2 g of test liquid passes through the Orifice on three occasions.
2	2.02	Registre el tiempo de duracion para obtener los dos 2 g / Record the duration time to obtain the two 2 g
3	2	El peso debe estar entre el rango de 2.01 ± 0.04g por cada disparo individual / The weight should be within the range of 2.01 ± 0.04g for each individual shot.

Temporizador de válvula (seg.) para Sprut de 2 ml / Valve Timer (sec) for 2mL Sprut	0.57

16 Verificación de calibración de muestras (detrás de la placa) Entrega de 2 ml / 16 Speciment Calibration Check (Behind Plate) 2 mL Delivery

Check	Sprut (g)	Comments (Pass/Fail)	Check	Sprut (g)	Comments (Pass/Fail)
1	2.01	pass	11		
2	2.04	pass	12		
3	2.03	pass	13		
4			14		
5			15		
6			16		
7			17		
8			18		
9			19		
10			20		

Lab. Condiciones / Conditioning Lab.	Inicio de pruebas / start of testing	Termino de pruebas / finished testing	Comentario / Comments
Temp (°C)	22.3	22.9	
Humedad (%RH)	45.8	44.3	

Nombre y Sello de Op. Lab / Name & Stamp Op. Lab: CONCEPCION ALAMILLA Q.A. ACC #559 **Fecha / Date:** 31-OCTUBRE-2025

Nombre y Sello Aprobador / Name & Stamp Approver: Enfa Monarrez Enfa M.C. **Fecha / Date:** 31-OCTUBRE-2025

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